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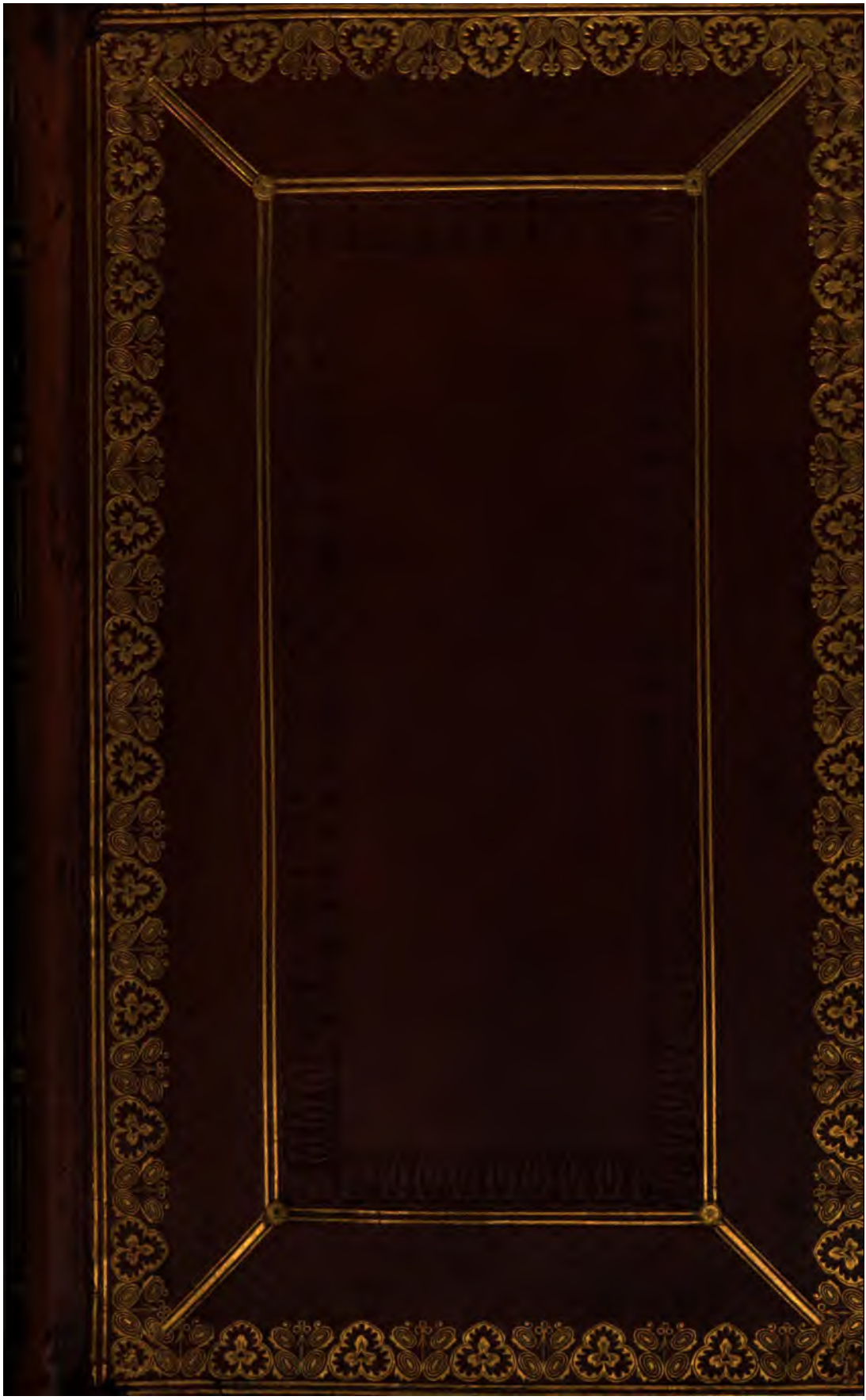

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Dem hochverehrten Freunde

Schumacher,

zum Andenken an freudiges Wiedersehen

in Güldenstein

d. 19 Juli 1830.

J. H. Bessel

TABULAE
REGIOMONTANAE
REDUCTIONUM

OBSERVATIONUM ASTRONOMICARUM

AB ANNO 1750 USQUE AD ANNUM 1850

COMPUTATÆ.

AUCTORE

FRIDERICO WILHELMO BESSEL.

REGIOMONTI PRUSSORUM:
SUMTIBUS FRATRUM BORNTRAEGER.
1830.

PARISIIS: APUD BACHELIER.
LONDINI: APUD TREUTTEL, WUERZ & RICHTER. — BLACK YOUNG & YOUNG.
AMSTELODAMI: APUD MUELLER & COMP.
PETROPOLI: APUD GRÆFF.

30.945

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Introductio.

Praesens cognitio motuum Systematis Solaris non eos fecit progressus, quos polliceri videbatur et ingens numerus et bonitas observationum, quae inde a *Bradleji* temporibus circa Solem et Lunam et Planetas sunt institutae. Illud quidem vere dici potest, Tabulas astronomicas hodie non integris minutis primis a coelo aberrare, sed si Tabulae illae e. g. in planetae oppositione et bene observata et accurate reducta iis adhibitis praesidiis, quae ab anno 1750 usque ad haec nostra tempora suggesta sunt, quinque minutis secundis plus ab observatione recedunt, error earum tam manifestus et apertus est, quam antea error minutum primum superans. Ac tantum abest, ut Tabulae observationum praecisioni semper respondeant, ut ipsae Tabulae Solis, quas initio hujus saeculi *Celeberrimi de Lambre* et *de Zach* dederunt, a Tabulis meis anno 1828 editis *), quae nunc cum observationibus consentiunt, 10″ saepe discrepent: errorum vero indices, qui sunt in Cel. *Bouvardii* Tabulis Jovis, Saturni et Urani haud raro ostendunt errores, qui extra illum limitem egrediuntur **).

Incertum est, quae caussa sit horum errorum. Ab ipsis observationibus non possunt originem habere, dummodo eae cum Tabulis comparentur, quae in Speculis et bene instructis et recte administratis sint institutae, eoque sint numero, ut consensus earum mutuus a fortuitis vitiis eas liberas esse doceat. Quare tribuendi sunt aut rationi observationes reducendi aut Tabulis, quae vel in Elementis ellipticis, vel in positis planetarum perturbantium massis, vel in formulis perturbationes ad calculum revocantibus minus perfectae esse possunt, aut obscuras significant caussas, motum perturbantes, ad quas theoriae lumen nondum accesserit. Sed profecto summum debet videri Astronomiae problema, illud saepe dictum neque tamen in unoquoque casu satis confirmatum, quam diligentissime examinare, an theoria cum experientia semper consentiat. Hujus problematis solutio quum ab omni parte studiosissime tentata fuerit, aut perfecto et absoluto modo confirmabitur theoria *Newtonii*, aut ab omni dubio procul

*) *Schumacher*, Astronomische Nachrichten, Nr. 133 et 134.
**) Tables Astron. publiées par le Bureau des Longitudes de France. Paris, 1821.

cognoscetur, eam in quibusdam casibus sine mutatione aliqua non sufficere, aut praeter cognita corpora perturbantia obscuras superesse perturbationum caussas.

Ut solvi possit hoc gravissimum problema, primum necesse est praesidia quaeramus, quibus usi verum ex observationibus fructum capere valeamus pro ipsarum bonitate, neque propriis erroribus novos addamus a reductione profectos. Absolute quidem hoc nunquam assequi licet, quum vel diligentissima Elementorum reductionibus inservientium pervestigatio propius quidem ad veritatem accedere, ipsam veritatem assequi nequeat, sed illud sperandum est, fore, ut reductionum Elementa *pro initio et fine* certae periodi tam accurate definiantur, ut ipsorum praecisio praecisioni respondeat observationum *illo temporis intervallo* institutarum. Hujus rei periculum feci determinando reductionum Elementa primum pro medio superiore saeculo ex indagatione observationum *Bradleji* *), deinde pro praesenti tempore ex observationibus, quae sunt institutae in specula Regiomontana **). Jam mea sententia Adscensiones rectae et Declinationes illarum 36 Stellarum fundamentalium *Maskelynii* nec non stellae polaris pro periodo ab anno 1750 usque ad hanc nostram aetatem tanta gaudent praecisione, ut residui errores comparati cum observationum erroribus per idem temporis spatium institutarum haud magni sint ducendi. Quod verius etiam dici potest de differentiis Adscensionum rectarum et Declinationum quam de absolutis earum numeris. Quare si futurum tempus indicaverit errores absolutarum determinationum, praecisione, quae observationibus ab anno 1750 usque ad nostram aetatem institutis sufficiat, quid inde in reductiones harum observationum redundet, per formulam a solo tempore pendentem ad calculos vocare poteris, nec opus erit repetita et redintegrata reductione, modo iisdem semper Elementis usus fueris.

Praeterea si consideramus in dies crescentem observationum multitudinem, in qua semper difficilius erit, observationes ea forma, qua proferri solent ab Astronomis, quaque proferri fas est, animo complecti, eas stipatas optabimus longe minore momentorum numero, ad quae is, qui planetae theoriam scrutandam sibi sumpserit, possit semper redire, omissa originalium observationum cura. Pro superioribus planetis e. g. tempora et loca oppositionum fortasse etiam quadraturarum semel ea qua par est diligentia ex observationibus ab anno 1750 institutis ad calculum vocata, his hodiernis adhibitis praesidiis, totam harum observationum seriem brevissima forma comprehendent.

Haec omnia complectenti mihi videtur plurimum valere ad futuros progressus in cognitione systematis Solaris, loca planetarum ab anno 1750 observata quam diligentissime secundum eadem semper Elementa in catalogos redigere, ut quisque locus expositus in illis ex pluribus observationibus collectus sit. Sed quia omnium planetarum theoriae mutuo vinculo inter se con-

*) Fundamenta Astronomiae pro Anno 1755. Regiomonti, 1818.

**) Vide singulas partes observationum Astronomicarum in specula Regiomontana factarum, duasque insuper dissertationes, quas Academiae scientiarum Berolinensi diebus 17. Jun. 1819 et 24. Mart. 1825 tradidi.

junctae sunt, prius construantur oportet catalogi pro universis planetis, quam theoria inquiratur singulorum *). Quo labore nullum credo nunc majorem utilitatem Astronomiae allaturum esse.

Hanc opinionem secutus jam plures abhinc annos partem hujus observationum seductionis, nempe omnia, quae ad apparentia stellarum fixarum loca pertinent, exoptavi in medium proferre. Quum igitur disquisitio de mediis locis illarum 36 stellarum fundamentalium *Maskelynii* atque stellarum α et δ Ursae minoris ad eum limitem perveniisset, quem ultra progredi spem ipse deponerem, partim ipse laborem aggressus sum, ut Tabulas construerem, quas nunc Astronomis trado, partim usus sum auxilio, quod comiter mihi obtulerant viri dilectissimi, *Albert* Monacensis, *Anger* et *Busch* Gedanenses, *Olufsen* Hafniensis, *Dr. a Steinheil* Monacensis, qui per aliquod tempus Regiomonti studium posuerunt in Astronomia, et praeter hos vir optime meritus *Knorre*, qui praeest speculae Nicolajeviensi, vires nobiscum consociavit. Quid cuique debeatur amicorum mihi tam carorum, in explicandis singulis Tabulis nominatim indicabo.

Tabularum forma plane accommodata est ad eam rationem, quam, prout peculiares Tabulas pro singulis stellis respicit, anno 1818 **), prout generales omnibus stellis inservientes, anno 1821 ***) publici juris feci. Cujus rationis hoc est proprium, ut Tabulis non Longitudo Solaris neque Longitudo Nodi ascendentis Lunaris, sed ipsum tempus suppeditetur pro Argumento, praeterea ut stellarum apparentia loca dentur pro ipso Culminationis momento. Hoc modo ampliores quidem evadunt Tabulae, sed praecisio facilitasque usus hoc incommodum prorsus videtur restituere. Sed antequam accuratius has Tabulas explicem, brevi exponam de stellarum locorum mutationibus, quae ex Praecessione, Motu proprio, Nutatione et Aberratione oriuntur. Quorum plurima quidem jam prius separatim pluribus locis in lucem edidi, hic vero collecta et ubi necessarium videbatur paullulum immutata trado, ut omnes quae reductioni inserviunt formulae uno in loco reperiantur.

De media Aequinoctiorum Praecessione.

Quum situs circulorum maximorum, ad quos loca stellarum referuntur, in sphaera coelesti mutetur, mutantur etiam stellarum loca: motus Aequatoris Adscensionem rectam et Declinationem, motus Ecliptices Longitudinem mutabit et Latitudinem: quoniam vero Adscensio recta non a fixo Aequatoris puncto, neque Longitudo a fixo Ecliptices puncto, sed utraque a vernali Aequinoctiorum puncto numeratur, idque punctum motu utriusque circuli mu-

*) His similia pro Sole proposui in libro „Astronomische Nachrichten", Nr. 134.
**) Fundamenta Astronomiae pro Anno 1755. Sect. VII.
***) *Schumacher*, Astronomische Nachrichten, Nr. 4.

completa collatio. Serius autem quum absolutas Adscensiones rectas 36 stellarum fundamentalium bis, pro 1815 et 1825, ex propriis observationibus destinassem, eas conquisivi correctiones, quae Adscensionibus rectis catalogi *Piazziani* universe admovendae essent, ut earum cum iis, quae modo laudavi, fieret plana consensio. Ita formulae illae secundam mutationem passae *) in has sequentes abierunt

$$[2]\quad \begin{cases} \psi = t.50'',37572 - tt.0'',0001217945 \\ \psi_{,} = t.50'',21129 + tt.0'',0001221483 \\ \omega = 23^{\circ}\,28'\,18'',0 + tt.0'',00000984233 \\ \omega_{,} = 23^{\circ}\,28'\,18'',0 - t.0'',48368 \\ \qquad\qquad - tt.0'',00000272295 \end{cases}$$

Quae formulae, substitutae in [1] et evolutae ad potentias temporis suppeditant

$$[3]\quad \begin{cases} \Pi = 171^{\circ}\,36'\,10'' - t.5'',21 \\ \pi = t.0'',48892 - tt.0'',0000030719 \\ \lambda = t.0'',17926 - tt.0'',0002660894 \end{cases}$$

Nunc duo illa problemata, quibus locorum stellarum mutationes, ex Praecessione manantes, definiantur, solvere licet, nempe

Problema I. Data stellae Longitudine l, Latitudine b pro tempore $1750 + t$, invenire Longitudinem l' et Latitudinem b' pro tempore $1750 + t'$.

Sit stellae Longitudo et Latitudo, ad fixam Eclipticen et fixum punctum Aequinoctiale anni 1750 relata, L et B, sphaericum triangulum, quod polos e et e' cum stella connectit, nobis praebebit

$$[4]\quad \begin{cases} \operatorname{Cos} B \operatorname{Cos}(L - \Pi) = \operatorname{Cos} b \operatorname{Cos}(l - \Pi - \psi_{,}) \\ \operatorname{Cos} B \operatorname{Sin}(L - \Pi) = \operatorname{Cos} b \operatorname{Sin}(l - \Pi - \psi_{,}) \operatorname{Cos}\pi - \operatorname{Sin} b \operatorname{Sin}\pi \\ \operatorname{Sin} B = \operatorname{Cos} b \operatorname{Sin}(l - \Pi - \psi_{,}) \operatorname{Sin}\pi + \operatorname{Sin} b \operatorname{Cos}\pi. \end{cases}$$

Harum formularum ope inveniuntur L et B, quae constantes habent valores, modo sit stella revera immobilis. Si valores ipsorum Π, π, $\psi_{,}$ pro tempore $1750 + t'$ significantur per Π', π', $\psi_{,}'$, sequitur ex eodem triangulo:

$$[5]\quad \begin{cases} \operatorname{Cos} b' \operatorname{Cos}(l' - \Pi' - \psi_{,}') = \operatorname{Cos} B \operatorname{Cos}(L - \Pi') \\ \operatorname{Cos} b' \operatorname{Sin}(l' - \Pi' - \psi_{,}') = \operatorname{Cos} B \operatorname{Sin}(L - \Pi') \operatorname{Cos}\pi' + \operatorname{Sin} B \operatorname{Sin}\pi' \\ \operatorname{Sin} b' = -\operatorname{Cos} B \operatorname{Sin}(L - \Pi') \operatorname{Sin}\pi' + \operatorname{Sin} B \operatorname{Cos}\pi' \end{cases}$$

quibus formulis inveniuntur b' et l'.

Evitare poteris calculum ipsorum L et B, quum eliminaveris ea ex aequationibus [4] et [5], quod fieri potest ejusdem methodi usu, quae respectu Adscensionum rectarum et Declinationum infra explicabitur. Sed illis hic immorari, supervacaneum habeo, quia propter tardiorem Ecliptices motum, quadrata illorum π et π' poterunt negligi, etiam tum, quum t aut t' plura saecula amplecterentur. Qua de re approximatio hoc nixa sufficiet in omnibus casibus, qui possunt revera occurrere. Neglectis igitur $\pi\pi$ et $\pi'\pi'$, ex aequationibus [4] et [5] habebimus

*) Astronomische Nachrichten, Nr. 32.

$$l' = l + \psi_{,}' - \psi_{,} + \operatorname{Tang} b \{\pi' \operatorname{Cos}(l - \Pi' - \psi_{,}) - \pi \operatorname{Cos}(l - \Pi - \psi_{,})\}$$
$$b' = b - \pi' \operatorname{Sin}(l - \Pi' - \psi_{,}) + \pi \operatorname{Sin}(l - \Pi - \psi_{,})$$

pro quibus statuere licet

$$l' = l + \psi_{,}' - \psi_{,} + a \operatorname{Cos}\left(l - \frac{\Pi' + \Pi}{2} - \psi_{,} - A\right) \operatorname{Tang} b$$
$$b' = b\, a - \operatorname{Sin}\left(l - \frac{\Pi' + \Pi}{2} - \psi_{,} - A\right)$$

positis

$$a \operatorname{Cos} A = (\pi' - \pi) \operatorname{Cos} \tfrac{1}{2}(\Pi' - \Pi)$$
$$a \operatorname{Sin} A = (\pi' + \pi) \operatorname{Sin} \tfrac{1}{2}(\Pi' - \Pi).$$

Ex formulis [5] sequitur, verum esse usque ad quadrata temporis incl.

$$(\pi' - \pi) \operatorname{Cos} \tfrac{1}{2}(\Pi' - \Pi) = (t' - t)\ \{0'',48892 - (t' + t)\, 0'',0000050719\}$$
$$(\pi' + \pi) \operatorname{Sin} \tfrac{1}{2}(\Pi' - \Pi) = (tt - t't')\ 0'',48892 \operatorname{Sin} 2'',605$$

ergo

$$a = (t' - t)\ \{0'',48892 - (t' + t)\ 0'',0000050719\}$$
$$A = -(t' + t)\, 2'',605,$$

unde habebimus

$$[6] \begin{cases} l' = l + (t' - t)\ \{50'',21129 + (t' + t)\, 0'',0001221483\} \\ \qquad\quad + (t' - t)\ \{0'',48892 - (t' + t)\, 0'',0000050719\} \operatorname{Cos} A \operatorname{Tang} b \\ b' = b - (t' - t)\ \{0'',48892 - (t' + t)\, 0'',0000050719\} \operatorname{Sin} A \end{cases}$$

ubi A significat

$$l - 171^\circ 36' 10'' - t \,.\, 50'',21 + (t' + t)\ 5'',21.$$

Quodsi t' tantum infinite parvo intervallo a t distare supponitur, hae formulae Longitudinis et Latitudinis quotientes differentiales subministrant, qui, anno pro unitate temporis sumpto, *variationes annuae* vocantur. Itaque annuae variationes ad tempus $1750 + t$ pertinentes erunt hae:

$$[7] \begin{cases} \text{Long.} \ldots\ldots + 50'',21129 + t \,.\, 0'',0002442966 \\ \qquad\quad + \{0'',48892 - t \,.\, 0'',0000061438\} \operatorname{Cos}(l - M) \operatorname{Tang} b \\ \text{Lat.} \ldots\ldots - \{0'',48892 - t \,.\, 0'',0000061438\} \operatorname{Sin}(l - M) \end{cases}$$

ubi

$$M = 171^\circ 36' 10'' + t \,.\, 39'',79.$$

Problema II. Data stellae Adscensione recta α et Declinatione δ pro tempore $1750 + t$, invenire Adscensionem rectam α' et Declinationem δ' pro tempore $1750 + t'$.

Si Longitudo et Latitudo, relata ad fixam Ecliptican et fixum punctum Aequinoctiale, eodem modo ut in priore problemate significabitur, triangulum, quod polos a et e cum stella conjungit, pro tempore $1750 + t$ suppeditabit:

$$[8] \begin{cases} \operatorname{Cos} B \operatorname{Cos}(L + \psi) = \operatorname{Cos}\delta \operatorname{Cos}(\alpha + \lambda) \\ \operatorname{Cos} B \operatorname{Sin}(L + \psi) = \operatorname{Cos}\delta \operatorname{Sin}(\alpha + \lambda) \operatorname{Cos}\omega + \operatorname{Sin}\delta \operatorname{Sin}\omega \\ \qquad\qquad \operatorname{Sin} B = -\operatorname{Cos}\delta \operatorname{Sin}(\alpha + \lambda) \operatorname{Sin}\omega + \operatorname{Sin}\delta \operatorname{Cos}\omega. \end{cases}$$

eodemque modo, si valores ipsorum λ, ω, ψ, ad tempus $1750 + t'$ pertinentes, designantur per λ', ω', ψ'

$$[9]\quad \begin{cases} \operatorname{Cos}\delta' \operatorname{Cos}(\alpha'+\lambda') = \operatorname{Cos}B \operatorname{Cos}(L+\psi') \\ \operatorname{Cos}\delta' \operatorname{Sin}(\alpha'+\lambda') = \operatorname{Cos}B \operatorname{Sin}(L+\psi') \operatorname{Cos}\omega' - \operatorname{Sin}B \operatorname{Sin}\omega' \\ \operatorname{Sin}\delta' = \operatorname{Cos}B \operatorname{Sin}(L+\psi') \operatorname{Sin}\omega' + \operatorname{Sin}B \operatorname{Cos}\omega' \end{cases}$$

Quodsi non lubet sciscitari neque Longitudinem nec Latitudinem, quae ad fixam Eclipticen pertinent, verum tantum ipsa α' et δ', ad rem aptum erit, ex his aequationibus eliminare illas L et B. Id quod fit methodo, *Cl. Bohnenbergero* debita*), quam hic ex aequationibus fundamentalibus [8] et [9] derivare in animo est. Ut comprehendam brevi, pro $\alpha+\lambda$, $\alpha'+\lambda'$, $\psi'-\psi$ ponam haec $\alpha_{,}$, $\alpha_{,}'$, u.

His significationibus introductis eliminatio ipsorum L et B ex aequationibus [8] et [9] protinus suppeditabit:

$$\begin{aligned} \operatorname{Cos}\delta' \operatorname{Cos}\alpha_{,}' &= \operatorname{Cos}\delta \operatorname{Cos}\alpha_{,} . \operatorname{Cos}u \\ &\quad - \operatorname{Cos}\delta \operatorname{Sin}\alpha_{,} . \operatorname{Sin}u \operatorname{Cos}\omega \\ &\quad - \operatorname{Sin}\delta . \operatorname{Sin}u \operatorname{Sin}\omega \\ \operatorname{Cos}\delta' \operatorname{Sin}\alpha_{,}' &= \operatorname{Cos}\delta \operatorname{Cos}\alpha_{,} . \operatorname{Sin}u \operatorname{Cos}\omega' \\ &\quad + \operatorname{Cos}\delta \operatorname{Sin}\alpha_{,} [\operatorname{Cos}u \operatorname{Cos}\omega \operatorname{Cos}\omega' + \operatorname{Sin}\omega \operatorname{Sin}\omega'] \\ &\quad + \operatorname{Sin}\delta . [\operatorname{Cos}u \operatorname{Sin}\omega \operatorname{Cos}\omega' - \operatorname{Cos}\omega \operatorname{Sin}\omega'] \\ \operatorname{Sin}\delta' &= \operatorname{Cos}\delta \operatorname{Cos}\alpha_{,} . \operatorname{Sin}u \operatorname{Sin}\omega' \\ &\quad + \operatorname{Cos}\delta \operatorname{Sin}\alpha_{,} [\operatorname{Cos}u \operatorname{Cos}\omega \operatorname{Sin}\omega' - \operatorname{Sin}\omega \operatorname{Cos}\omega'] \\ &\quad + \operatorname{Sin}\delta [\operatorname{Cos}u \operatorname{Sin}\omega \operatorname{Sin}\omega' + \operatorname{Cos}\omega \operatorname{Cos}\omega']. \end{aligned}$$

Si fingamus triangulum sphaericum, cujus quum basis sit u, anguli adjacentes sint ω' et $180°-\omega$, latus vero, quod primo angulo oppositum est, sit $90°-\delta$, quod secundo angulo, $90°+z'$, tertius postremo angulus θ, functiones ipsorum ω, ω', u, quae in datis aequationibus occurrunt, exprimi poterunt per z, z', θ. Hinc erit

$$\begin{aligned} \operatorname{Cos}\delta' \operatorname{Cos}\alpha_{,}' &= \operatorname{Cos}\delta \operatorname{Cos}\alpha_{,} [\operatorname{Cos}\theta \operatorname{Cos}z \operatorname{Cos}z' - \operatorname{Sin}z \operatorname{Sin}z'] \\ &\quad - \operatorname{Cos}\delta \operatorname{Sin}\alpha_{,} [\operatorname{Cos}\theta \operatorname{Sin}z \operatorname{Cos}z' + \operatorname{Cos}z \operatorname{Sin}z'] \\ &\quad - \operatorname{Sin}\delta . \operatorname{Sin}\theta \operatorname{Cos}z' \\ \operatorname{Cos}\delta' \operatorname{Sin}\alpha_{,}' &= \operatorname{Cos}\delta \operatorname{Cos}\alpha_{,} [\operatorname{Cos}\delta \operatorname{Cos}z \operatorname{Sin}z' + \operatorname{Sin}z \operatorname{Cos}z'] \\ &\quad - \operatorname{Cos}\delta \operatorname{Sin}\alpha_{,} [\operatorname{Cos}\theta \operatorname{Sin}z \operatorname{Sin}z' - \operatorname{Cos}z \operatorname{Cos}z'] \\ &\quad - \operatorname{Sin}\delta . \operatorname{Sin}\theta \operatorname{Sin}z' \\ \operatorname{Sin}\delta' &= \operatorname{Cos}\delta \operatorname{Cos}\alpha_{,} . \operatorname{Sin}\theta \operatorname{Cos}z \\ &\quad - \operatorname{Cos}\delta \operatorname{Sin}\alpha_{,} . \operatorname{Sin}\theta \operatorname{Sin}z \\ &\quad + \operatorname{Sin}\delta . \operatorname{Cos}\theta. \end{aligned}$$

Multiplicando primam aequationem per $-\operatorname{Sin}z'$, secundam vero per $\operatorname{Cos}z'$, et addendo producta, deinde multiplicando primam per $\operatorname{Cos}z'$, secundam per $\operatorname{Sin}z'$, reperietur

$$[10]\ldots\quad \begin{cases} \operatorname{Cos}\delta' \operatorname{Sin}(\alpha'+\lambda'-z') = \operatorname{Cos}\delta \operatorname{Sin}(\alpha+\lambda+z) \\ \operatorname{Cos}\delta' \operatorname{Cos}(\alpha'+\lambda'-z') = \operatorname{Cos}\delta \operatorname{Cos}(\alpha+\lambda+z) \operatorname{Cos}\theta - \operatorname{Sin}\delta \operatorname{Sin}\theta \\ \operatorname{Sin}\delta' = \operatorname{Cos}\delta \operatorname{Cos}(\alpha+\lambda+z) \operatorname{Sin}\theta + \operatorname{Sin}\delta \operatorname{Cos}\theta \end{cases}$$

*) *Von Lindenau* und *Bohnenberger*, Zeitschrift für Astronomie etc. I. Pag. 124. Tubingae, 1816.

Quibus formulis immediate inveniuntur α' et δ', nec opus erit calculo ipsorum L et B. Quantitates vero z, z', θ, quae in illis formulis occurrant, facillimo calculo inveniuntur secundum *Nepperianas* analogias

$$[11]\quad \begin{cases} \operatorname{Tang}\frac{1}{2}(z'+z) = \frac{\operatorname{Cos}\frac{1}{2}(\omega'+\omega)}{\operatorname{Cos}\frac{1}{2}(\omega'-\omega)} \operatorname{Tang}\frac{1}{2}(\psi'-\psi) \\ \operatorname{Tang}\frac{1}{2}(z'-z) = \frac{\operatorname{Sin}\frac{1}{2}(\omega'-\omega)}{\operatorname{Sin}\frac{1}{2}(\omega'+\omega)} \operatorname{Cotang}\frac{1}{2}(\psi'-\psi) \\ \operatorname{Tang}\frac{1}{2}\theta = \frac{\operatorname{Sin}\frac{1}{2}(z'+z)}{\operatorname{Cos}\frac{1}{2}(z'-z)} \operatorname{Tang}\frac{1}{2}(\omega'+\omega) \end{cases}$$

In locum secundae formulae licet hanc substituere, quae per plura saecula modice tantum ab ea discrepat:

$$\tfrac{1}{2}(z'-z) = (t'+t)\ 0^{\prime\prime},1011804 + (t'+t)^2 . 0^{\prime\prime},0000002446$$

in prima vero et in tertia denominatorem cum unitate commutare.

Ad calculum numericum formularum [10] adhiberi poterunt formulae *Gaussianae*, quae, quum brevitatis caussa pro $\alpha'+\lambda'-z'$ scriptum fuerit σ', pro $\alpha+\lambda+z$ autem σ, in hoc casu suppeditant

$$[12]\quad \begin{cases} \operatorname{Cos}\frac{1}{2}(90^\circ+\delta')\operatorname{Cos}\frac{1}{2}(\alpha'+C) = \operatorname{Cos}\frac{1}{2}(90^\circ+\delta+\theta)\operatorname{Cos}\frac{1}{2}\sigma \\ \operatorname{Cos}\frac{1}{2}(90^\circ+\delta')\operatorname{Sin}\frac{1}{2}(\alpha'+C) = \operatorname{Cos}\frac{1}{2}(90^\circ+\delta-\theta)\operatorname{Sin}\frac{1}{2}\sigma \\ \operatorname{Sin}\frac{1}{2}(90^\circ+\delta')\operatorname{Cos}\frac{1}{2}(\alpha'-C) = \operatorname{Sin}\frac{1}{2}(90^\circ+\delta+\theta)\operatorname{Cos}\frac{1}{2}\sigma \\ \operatorname{Sin}\frac{1}{2}(90^\circ+\delta')\operatorname{Sin}\frac{1}{2}(\alpha'-C) = \operatorname{Sin}\frac{1}{2}(90^\circ+\delta-\theta)\operatorname{Sin}\frac{1}{2}\sigma \end{cases}$$

ubi C significat tertium angulum trianguli sphaerici, cujus quum sint tria latera $90^\circ-\delta'$, $90^\circ-\delta$ et θ, alteri lateri opposita sit angulus σ, alteri vero $180^\circ-\alpha'$. Sed eadem cura in conquirendis logarithmis adhibita, accuratior evadit calculus, si non ipsa α' et δ', sed quaerantur $\alpha'-\alpha$ et $\delta'-\delta$. Facile est intellectu, aequationem primam et secundam [10] subministrare haec

$$\operatorname{Cos}\delta' \operatorname{Sin}(\alpha'-\alpha) = \operatorname{Cos}\delta \operatorname{Sin}\alpha \operatorname{Sin}\theta\,[\operatorname{Tang}\delta + \operatorname{Tang}\tfrac{1}{2}\theta \operatorname{Cos}\alpha]$$

$$\operatorname{Cos}\delta' \operatorname{Cos}(\alpha'-\alpha) = \operatorname{Cos}\delta - \operatorname{Cos}\delta \operatorname{Cos}\alpha \operatorname{Sin}\theta\,[\operatorname{Tang}\delta + \operatorname{Tang}\tfrac{1}{2}\theta \operatorname{Cos}\alpha]$$

et si per secundam formulam dividetur prima, invenietur hoc

$$\operatorname{Tang}(\alpha'-\alpha) = \frac{\operatorname{Sin}\alpha \operatorname{Sin}\theta\,[\operatorname{Tang}\delta + \operatorname{Tang}\frac{1}{2}\theta . \operatorname{Cos}\alpha]}{1-\operatorname{Cos}\alpha \operatorname{Sin}\theta[\operatorname{Tang}\delta + \operatorname{Tang}\frac{1}{2}\theta . \operatorname{Cos}\alpha]}.$$

Ex analogiis *Nepperianis* derivatur

$$[13]\quad \begin{cases} \operatorname{Tang}\frac{1}{2}(\delta'-\delta) = \frac{\operatorname{Cos}\frac{1}{2}(\alpha'+\alpha)}{\operatorname{Cos}\frac{1}{2}(\alpha'-\alpha)} \operatorname{Tang}\frac{1}{2}\theta \\ \operatorname{Tang}\frac{1}{2}(\delta'+\delta) = \frac{\operatorname{Sin}\frac{1}{2}(\alpha'+\alpha)}{\operatorname{Sin}\frac{1}{2}(\alpha'-\alpha)} \operatorname{Tang}\frac{1}{2}\theta \end{cases}$$

Inde sequuntur duae calculandi leges, quarum altera directa, altera erit indirecta. Scilicet ponendo

$$p = \operatorname{Sin}\theta\,[\operatorname{Tang}\delta + \operatorname{Tang}\tfrac{1}{2}\theta . \operatorname{Cos}\alpha]$$

habebimus

$$[14]\quad \begin{cases} \operatorname{Tang}(\alpha'-\alpha) = \frac{p \operatorname{Sin}\alpha}{1-p \operatorname{Cos}\alpha} \\ \operatorname{Tang}\frac{1}{2}(\delta'-\delta) = \frac{\operatorname{Cos}\frac{1}{2}(\alpha'+\alpha)}{\operatorname{Cos}\frac{1}{2}(\alpha'-\alpha)} \operatorname{Tang}\frac{1}{2}\theta \end{cases}$$

Altera eaque indirecta, quae mihi omnium commodissima videtur, quaque in omnibus casibus, ubi stella esset polo proxima, saepissime usus sum (nam in his solis poterit sermo esse de calculo secundum finitas formulas instituendo), in formulis [13] nititur postulatque approximativum valorem A ipsius α', ita ut sit verus $= A + x$, ubi x exiguo minutorum secundorum numero circumscriptum sit. Quodsi variationes logarithmorum ipsorum $\operatorname{Cos}\frac{1}{2}(\alpha'+\alpha)$, $\operatorname{Cos}\frac{1}{2}(\alpha'-\alpha)$, $\operatorname{Sin}\frac{1}{2}(\alpha'+\alpha)$, $\operatorname{Sin}\frac{1}{2}(\alpha'-\alpha)$ pro uno secundo Argumenti, quales immediate reperiuntur in tabulis logarithmicis, designentur his litteris c, c', s, s', invenientur variationes in hypothesi $\alpha' = A$ calculatorum logarithmorum ipsorum $\operatorname{Tang}\frac{1}{2}(\delta'-\delta)$ et $\operatorname{Cotang}\frac{1}{2}(\delta'+\delta)$ resp. $= \frac{1}{2}(c-c')x$ et $\frac{1}{2}(s-s')x$, et dividendo variationes eas per variationes logarithmorum ipsius $\operatorname{Tang}\frac{1}{2}(\delta'-\delta)$ et ipsius $\operatorname{Cotang}\frac{1}{2}(\delta'+\delta)$ pro minuto secundo Argumenti erunt

$$\tfrac{1}{2}(\delta'-\delta) = d + \alpha x$$
$$\tfrac{1}{2}(\delta'+\delta) = d' + \beta x$$

ubi d et d' valores significant ipsorum $\frac{1}{2}(\delta'-\delta)$ et $\frac{1}{2}(\delta'+\delta)$ calculati pro $\alpha' = A$. Habebimus igitur

$$\delta' = d' + d + (\beta+\alpha)x$$
$$\delta = d' - d + (\beta-\alpha)x$$

et, quum data sit δ, erit

$$x = \frac{\delta - (d'-d)}{\beta-\alpha}$$

unde α' inveniri potest et δ'.

Sed in casibus longe plurimis commodius erit, α' et δ' per series, quae ad potentias temporis progrediantur, evolvere, quaeque, nisi polo proxima erit stella, citissime convergant necesse est. Has series hoc modo designabimus

$$\alpha' = \alpha + U'(t'-t) + U''(t'-t)^2 + \text{etc.}$$
$$\delta' = \delta + W'(t'-t) + W''(t'-t)^2 + \text{etc.}$$

eas autem non ultra tertium terminum hic prosequemur, quia commodius erit, si altiores termini non possunt neglegi, finitas formulas supra traditas in calculo adhibere. Alio loco harum serierum altiores terminos consideravi*), sed si quaeratur, Tabulam condere mediorum locorum pro stella polo proxima, commodissime res expedietur, si haec loca secundum formulas [13] sive [14] calculantur pro certis annis, e. g. pro octavo quoque anno, singulorum vero annorum lacunae interpolatione explentur.

Formularum [8] et [9] completa differentiatio exhibet, ipsis L et B pro constantibus numeris sumtis,

$$\frac{d\alpha}{dt} = -\frac{d\lambda}{dt} + \frac{d\psi}{dt}[\operatorname{Cos}\omega + \operatorname{Sin}\omega \operatorname{Tang}\delta \operatorname{Sin}(\alpha+\lambda)]$$
$$-\frac{d\omega}{dt}\cdot\operatorname{Tang}\delta\operatorname{Cos}(\alpha+\lambda)$$

*) Fundamenta Astronomiae pro Anno 1755. P. 201 etc.

$$\frac{d\delta}{dt} = \frac{d\psi}{dt} \cdot \operatorname{Sin}\omega \operatorname{Cos}(\alpha + \lambda) + \frac{d\omega}{dt} \operatorname{Sin}(\alpha + \lambda)$$

sive, ipsius $\frac{d\omega}{dt}$ quadrato potentiisque altioribus neglectis,

$$\frac{dx}{dt} = \frac{d\psi}{dt} \operatorname{Cos}\omega - \frac{d\lambda}{dt} + \frac{d\psi}{dt} \operatorname{Sin}\omega \cdot \operatorname{Tang}\delta \cdot \operatorname{Sin}\left(\alpha + \lambda - \frac{d\omega}{\operatorname{Sin}\omega \cdot d\psi}\right)$$

$$\frac{d\delta}{dt} = \frac{d\psi}{dt} \operatorname{Sin}\omega \operatorname{Cos}\left(\alpha + \lambda - \frac{d\omega}{\operatorname{Sin}\omega \cdot d\psi}\right)$$

Quantitas

$$\lambda - \frac{d\omega}{\operatorname{Sin}\omega \cdot d\psi},$$

quae reperitur ex formulis supra traditis pro λ, ω et $\psi = -t \cdot 0'',0231$, secundum attractionis theoriam deberet semper evanescere, ut evanescit pro $t = o$ sive pro 1750. Haec theoriae cum formulis dissensio vitium est formularum inde ortum, quia ea harum formularum membra, quae sunt tempori proportionalia, mutata sunt secundum novam determinationem massae Veneris, ea vero, quae quadrato temporis proportionalia sunt, valores retinuerunt desumptos ex Mechanica Coelesti, ubi non declaratur, quomodo haec membra mutentur mutatis planetarum massis. Sed vitium haud magni est ducendum, etiam longe minus, quam incertitudo, orta in membris tempori proportionalibus ex imperfecta massarum planetarum cognitione. Quamobrem habebimus

[15]
$$\begin{cases} \frac{d\alpha}{dt} = m + n \operatorname{Tang}\delta \operatorname{Sin}\alpha \\ \frac{d\delta}{dt} = n \operatorname{Cos}\alpha \end{cases}$$

uti m et n posita sunt pro

$$\frac{d\psi}{dt} \operatorname{Cos}\omega - \frac{d\lambda}{dt} \quad \text{et} \quad \frac{d\psi}{dt} \operatorname{Sin}\omega.$$

Ipsa inveniuntur ex formulis [2] et [3]

[16]
$$\begin{cases} m = 46'',02824 + t \cdot 0'',0003086450 \\ n = 20'',06442 - t \cdot 0'',0000970204 \end{cases}$$

Significatis valoribus ipsorum m et n, qui ad definitum tempus $1750 + t$ pertinent, per m' et n', iis vero, qui ad indefinitum $1750 + t'$, per

$$m' + m''(t' - t) \text{ et } n' + n''(t' - t),$$

successiva differentiatione formularum [15] sumtisque valoribus quotientium differentialium pro $t' = t$, habebitur:

$$U' = \frac{d\alpha}{dt} = n' \operatorname{Tang}\delta \operatorname{Sin}\alpha + m'$$

$$U'' = \tfrac{1}{2}\frac{d^2\alpha}{dt^2} = \frac{n'^2}{2} \operatorname{Tang}\delta^2 \operatorname{Sin}2\alpha + \frac{n'm'}{2} \operatorname{Tang}\delta \operatorname{Cos}\alpha + \frac{n'^2}{4} \operatorname{Sin}2\alpha + \frac{m''}{2} + \frac{n''}{2} \operatorname{Tang}\delta \operatorname{Sin}\alpha$$

$$U^m = \frac{1}{6}\frac{d^3\alpha}{dt^3} = \frac{\pi'^3}{8}\,\mathrm{Tang}\,\delta^3\,\mathrm{Sin}\,3\alpha + \frac{\pi'^2\mu'}{2}\,\mathrm{Tang}\,\delta^2\,\mathrm{Cos}\,2\alpha$$
$$+ \mathrm{Tang}\,\delta\left[\frac{\pi'^3}{4}\,\mathrm{Sin}\,3\alpha + \left(\frac{\pi'^3}{12} - \frac{\pi'\mu'}{6}\right)^2 \mathrm{Sin}\,\alpha\right]$$
$$+ \frac{\pi'^2\mu'}{12}\,[3\,\mathrm{Cos}\,2\alpha + 1]$$
$$+ \frac{\mu''}{6}\,\pi'\,\mathrm{Tang}\,\delta\,\mathrm{Cos}\,\alpha$$
$$+ \pi''\left[\frac{\pi'}{2}\,\mathrm{Tang}\,\delta^2\,\mathrm{Sin}\,2\alpha + \frac{\mu'}{8}\,\mathrm{Tang}\,\delta\,\mathrm{Cos}\,\alpha + \frac{\pi'}{4}\,\mathrm{Sin}\,2\alpha\right]$$

$$W' = \frac{d\delta}{dt} = \pi'\,\mathrm{Cos}\,\alpha$$

$$W'' = \frac{1}{2}\frac{d^2\delta}{dt^2} = -\frac{\pi'^2}{2}\,\mathrm{Tang}\,\delta\,\mathrm{Sin}\,\alpha^2 - \frac{\pi'\mu'}{2}\,\mathrm{Sin}\,\alpha + \frac{\pi''}{2}\,\mathrm{Cos}\,\alpha$$

$$W^m = \frac{1}{6}\frac{d^3\delta}{dt^3} = -\frac{\pi'^3}{2}\,\mathrm{Tang}\,\delta^2\,\mathrm{Sin}\,\alpha^2\,\mathrm{Cos}\,\alpha - \frac{\pi'^2\mu'}{2}\,\mathrm{Tang}\,\delta\,\mathrm{Sin}\,\alpha\,\mathrm{Cos}\,\alpha$$
$$- \left[\frac{\pi'(\mu'^2+\pi'^2)}{6}\,\mathrm{Cos}\,\alpha - \frac{\pi'^3}{6}\,\mathrm{Cos}\,\alpha^3\right]$$
$$- \frac{\mu''}{6}\,\pi'\,\mathrm{Sin}\,\alpha$$
$$- \pi''\left[\frac{\pi'}{2}\,\mathrm{Tang}\,\delta\,\mathrm{Sin}\,\alpha^2 + \frac{\mu'}{8}\,\mathrm{Sin}\,\alpha\right]$$ *)

De motu proprio Stellarum fixarum.

Si mutationes loci stellae fixae in observationibus invenerimus diversas ab iis, quae ex Praecessione oriantur, differentia tribuitur *motui proprio*. Jam ostendam, quomodo sit hic motus ex observationibus determinandus, et quomodo in reductione stellae loci pro indefinito tempore possit in calculum vocari.

Sumitur motum proprium uniformi confici velocitate et maximum circulum lustrare. Non est quidem dubium, quin hoc utrumque paullulum a veritate abhorreat. Sed quia stellae propter tardiorem incessum per plura saecula tam exiguum orbitae suae spatium metiantur, in eo quod hucusque observatum est hujus spatii, neque abnormitas potuit neque anfractus prodi.

Ut inveniatur motus proprius annuus ex observationibus locorum stellae tempore $1750 + T$ et tempore $1750 + T'$ institutis, locus unus sola Praecessione ad alterius tempus reducatur: hoc calculo aut secundus locus invenietur pertinens ad Aequatorem temporis $1750 + T$, ergo $\alpha + \Delta\alpha$ et $\delta + \Delta\delta$,

*) Formulas in „Fund. Astr.“ P. 303, quae partem ipsorum U^m et W^m a μ'' et π'' pendentem ostendunt, erroneas esse hic indicatum volo.

ubi α et δ eam Adscensionem rectam et Declinationem significant, quae sint tempore $1750+T$ observatae, aut invenietur primus locus relatus ad Aequatorem temporis $1750+T'$, ergo $\alpha'+\Delta\alpha'$ et $\delta'+\Delta\delta'$, ubi α' et δ' erit Adscensio recta et Declinatio tempore $1750+T'$ observata. Per α, δ, $\alpha+\Delta\alpha$, $\delta+\Delta\delta$ arcus circuli maximi illo temporis intervallo confectus et angulus, quem ille facit cum Circulo Declinationis pro tempore $1750+T$ definiuntur, sive idem determinatur per α', δ', $\alpha'+\Delta\alpha'$, $\delta'+\Delta\delta'$ pro tempore $1750+T'$. Invento motu proprio in temporis intervallo et inde annuo motu quoad magnitudinem et directionem, invenietur arcus ab anno $1750+T$ usque ad indefinitum tempus, quod per $1750+t$ designabimus, confectus, et quoniam directio quoque cognita est, reperietur locus pro $1750+t$, relatus ad Aequatorem anni $1750+T$, qui locus sola Praecessione reductus ad annum $1750+t$, quaesitum locum pro hoc tempore suppeditat.

Quum ea, quae hic de Aequatore sunt disputata, eodem jure valeant de Ecliptica, iis, quae diximus, continetur completa solutio problematum de mutatione locorum stellarum respectu motus proprii. Sed quia motus proprius valde exiguus est, ipsius quadratum poterit negligi. Itaque superfluum est, scrutari motum in circulo maximo atque angulum, quem ille faciat cum Circulo Declinationis, quum variationes Adscensionis rectae et Declinationis relatae ad fixum Aequatorem nunc ipsi tempori sint proportionales. Jam formulas ad calculum aptas explicabo.

Usu methodi, quae formulis [10] continetur, habebimus locum pro $1750+T'$ adjecto motu proprio, si loco ipsorum α et δ, $\alpha+\Delta\alpha$ et $\delta+\Delta\delta$ posuerimus in his formulis, sive neglectis potentiis ipsorum $\Delta\alpha$ et $\Delta\delta$, quae ultra primam egrediantur,

$$[18]\quad \begin{cases} \Delta\alpha' = \Delta\alpha[\mathrm{Cos}\theta + \mathrm{Sin}\theta\,\mathrm{Tang}\delta'.\,\mathrm{Cos}(\alpha'+\lambda'-z')] + \dfrac{\Delta\delta}{\mathrm{Cos}\delta}.\,\mathrm{Sin}\,\theta\,\dfrac{\mathrm{Sin}(\alpha'+\lambda'-z')}{\mathrm{Cos}\,\delta'} \\ \Delta\delta' = -\Delta\alpha\,\mathrm{Sin}\theta\,\mathrm{Sin}(\alpha'+\lambda'-z') + \dfrac{\Delta\delta}{\mathrm{Cos}\delta}.\,\mathrm{Cos}\delta'[\mathrm{Cos}\theta + \mathrm{Sin}\theta\,\mathrm{Tang}\delta'\,\mathrm{Cos}(\alpha'+\lambda'-z')] \\ \Delta\alpha = \Delta\alpha'[\mathrm{Cos}\,\theta - \mathrm{Sin}\,\theta\,\mathrm{Tang}\,\delta\,\mathrm{Cos}(\alpha+\lambda+z)] - \dfrac{\Delta\delta'}{\mathrm{Cos}\delta'}.\,\mathrm{Sin}\theta\,\dfrac{\mathrm{Sin}\,(\alpha+\lambda+z)}{\mathrm{Cos}\,\delta} \\ \Delta\delta = \Delta\alpha'.\,\mathrm{Sin}\theta\,\mathrm{Sin}(\alpha+\lambda+z) + \dfrac{\Delta\delta'}{\mathrm{Cos}\delta'}\mathrm{Cos}\delta\,[\mathrm{Cos}\theta - \mathrm{Sin}\theta\,\mathrm{Tang}\delta\mathrm{Cos}(\alpha+\lambda+z)] \end{cases}$$

quae formulae eaedem valent, si $\Delta\alpha$, $\Delta\delta$, $\Delta\alpha'$, $\Delta\delta'$ totum et annuum motum significant. Inde sequitur, motum proprium, quamvis uniformem supposituum respectu *fixi* Aequatoris, nequaquam Adscensionis rectae et Declinationis variationes proferre quae sint tempori proportionales. Neque minus ex eodem apparet, motum annuum in Adscensione recta aut Declinatione pro determinato tempore cognitum separatim non sufficere, ad destinandum Adscensionem rectam aut Declinationem pro indefinito tempore, potius non obscurum est, utrumque motum necessarium esse, ut sive Adscensio recta sive Declinatio plane inveniatur.

Ut exemplo utar, eos afferam numeros, ad quos constructae sunt Tabulae stellae polaris in hoc libro contentae:

$$1755.\alpha = 10^\circ 55' 44'',955; \quad \delta = 87^\circ 59' 41'',12$$
$$1820.\alpha' = 14^\circ 15' 22'',575; \quad \delta' = 88^\circ 20' 54'',27.$$

Pro his temporibus inveniuntur ex formulis supra memoratis

$$\text{ex [3]} \ldots\ldots \quad \lambda = +0'',8897; \qquad +11'',2446$$
$$\text{ex [2]} \ldots\ldots \quad \psi = +4' 11'',8756; \quad +58' 45'',7036$$
$$\omega = 23^\circ 28' 18'',0002; \quad 23^\circ 28' 18'',0482.$$

His numeris pro transitu ab anno 1755 ad 1820 inveniuntur [11]

$$\varkappa = 24' 53'',8861; \quad \varkappa' = 25' 9'',0655; \quad \theta = 21' 43'',9394$$

Inde, secundum formulas [13] sive [14], habebimus locum pro 1755 ad 1820 reductum

$$\alpha' = 14^\circ 15' 54'',703; \quad \delta' = 88^\circ 20' 54'',052$$

Qui locus collatus cum loco observato pro 1820 suppeditabit

$$\Delta\alpha' = +87'',872; \quad \Delta\delta' = +0'',218,$$

sive motum proprium annuum in Adscensione recta et Declinatione, relatum ad Aequatorem anni 1820, quem litteris h' et i' designabo,

$$h' = +1'',351877; \quad i' = +0'',0033538$$

Ut possit per haec Elementa locus inveniri pro alio tempore, e. g. pro 1850, incipiemus ab anno 1820. Hoc modo inveniemus:

$$\alpha + \Delta\alpha = 14^\circ 15' 22'',575 + 30.1'',351877 = 14^\circ 16' 3'',1313$$
$$\delta + \Delta\delta = 88^\circ 20' 54'',27 + 30.0'',0033538 = 88^\circ 20' 54'',3706$$
$$\varkappa = 11' 15'',6173; \quad \varkappa' = 11' 50'',0325; \quad \theta = 10' 1'',6846$$
$$\varkappa + \lambda = 11' 26'',8619; \quad \varkappa' - \lambda' = 11' 34'',7669$$

locum vero pro anno 1850:

$$\alpha' = 16^\circ 15' 19'',527; \quad \delta' = 88^\circ 30' 34'',898.$$

Alias etiam locum pro 1820 sine respectu motus proprii reducere potuissemus ad annum 1850, tum vero secundum formulas [18] calculare, quid motus proprius hic valuisset, quo in calculo posuissemus:

$$\Delta\alpha = 30.1'',351877 = +40'',5563$$
$$\Delta\delta = 30.0'',0033538 = +0'',1006.$$

Postremo, ut usum declarem formularum [18], annuum motum in Adscensione recta et Declinatione definiam pro anno 1755. Quum pro anno 1820 sit

$$h' = +1'',351877; \quad i' = +0'',0033538$$

habebimus, adhibitis iusuper valoribus ipsorum $\varkappa$, λ, θ, secundum ultimas formulas [18], pro anno 1755,

$$h = +1'',10839; \quad i = +0'',005032$$

Ex quo intelligitur, non modicum oriri vitium supponendo, variationes locorum stellae polo proximae a motu proprio pendentes tempori esse proportionales.

Reliquum est, ut correctiones memorem, quas subeunt coefficientes [17] earum serierum, quibus exprimantur Adscensio recta et Declinatio. Ex iis, quae de mutatione locorum stellarum a motu proprio pendente disserui, elucet, illam plane calculo comprehendi ponendo in coefficientibus [17]

$\alpha + h(t'-t)$ et $\delta + i(t'-t)$ pro α et δ, sive neglectis quadratis ipsorum h et i, haec singulis coefficientibus addendo

[19]
$$\left\{\begin{array}{ll} \text{ipsi} & U'.....h \\ & U''.....hn' \operatorname{Tang}\delta \operatorname{Cos}\alpha + in' \operatorname{Sec}\delta^2 \operatorname{Sin}\alpha \\ & U'''.....h\left[n'^2 \operatorname{Tang}\delta^2 \operatorname{Cos}2\alpha - \frac{n'm'}{2}\operatorname{Tang}\delta \operatorname{Sin}\alpha + \frac{n'^2}{2}\operatorname{Cos}2\alpha\right] \\ & \qquad + i.n' \operatorname{Sec}\delta^2 \operatorname{Cos}\alpha\left[2n' \operatorname{Tang}\delta \operatorname{Sin}\alpha + \frac{m'}{2}\right] \\ & W'.....i \\ & W''.....-hn' \operatorname{Sin}\alpha \\ & W'''.....-hn' \operatorname{Cos}\alpha\left[n' \operatorname{Tang}\delta \operatorname{Sin}\alpha + \frac{m'}{2}\right] \\ & \qquad - i\frac{n'^2}{2} \operatorname{Sec}\delta^2 \operatorname{Sin}\alpha^2 \end{array}\right.$$

Ex formulis [18] non minus, quam ex iis, quas modo dedimus, elucet, nisi Tangens et Secans Declinationis permagnae sint, eas quantitates in Adscensione recta et in Declinatione, quae a motu proprio dependeant, fere tempori esse proportionales, quo in casu utraque independens possit considerari altera ab altera. Tum etiam series, in quibus variationes Adscensionis rectae et Declinationis explicatae sunt, tam cito convergunt, ut, ipsas ultra quadratum temporis continuare, superfluum esse videatur. Id quum profecto saepissime eveniat, jam formulas proferam tum adhibendas, quum locus stellae, cujus Adscensio recta et Declinatio datae sunt pro duabus epochis $1750+T$ et $1750+T'$, erit ad tertium tempus $1750+t$ reducendus. Si datas Adscensiones rectas denotaverimus litteris α et α', Praecessionem annuam in Adscensione recta pro duobus illis temporibus litteris p et p', annuam ejus variationem littera Δp, sive

$$\Delta p = \frac{p'-p}{T'-T}$$

habebimus Adscensionem rectam pro anno $1750+t$

[20]..... $\alpha + (\alpha'-\alpha)\frac{t-T}{T'-T} + \frac{1}{2}\Delta p\,(t-T)\,(t-T')$

Formulam pro Declinatione plane similem fore, non obscurum est. Itaque ut e duobus datis locis inveniri possit tertius, necessarium quidem est, annuam variationem Praecessionis annuae, non ipsam Praecessionem cognoscere.

De Nutatione.

Formulis supra datis pro motu Aequatoris in Ecliptica vera ea pars sola continetur, quae cum ipso tempore procedit, sed completae expressiones illorum ψ, et ω, periodica etiam membra complectuntur, quae de Nodi Lunaris, Solis et Lunae Longitudine dependeant. Quae periodica Praecessionis membra, quum essent a *Bradlejo* inventa ex observationibus et *Nutationi axis terrae* adscripta, primus omnium *d'Alembertus* plane explicuit. For-

mulae autem pro ipsorum $\psi_{,}$ et $\omega_{,}$ variationibus, ab iis membris ortis, quas litteris $\Delta\psi$ et $\Delta\omega$ significatas esse volumus, varias passae sunt mutationes vel additis parvis membris in prioribus disquisitionibus omissis vel mutata Lunaris massae cognitione. Equidem hanc theoriam denuo tractavi *), et quum massam Lunarem tantam posuissem, quantam ex effectu Nutationis in Adscensiones rectas stellae polaris *Cl. de Lindenavius* esse concluserat, inveni has formulas:

$$[21]\quad \begin{cases} \Delta\psi = -16'',78332 \operatorname{Sin} ☊ + 0'',20209 \operatorname{Sin} 2☊ - 1'',33589 \operatorname{Sin} 2☉ \\ \qquad\qquad - 0'',20128 \operatorname{Sin} 2☽. \\ \Delta\omega = + 8'',97707 \operatorname{Cos} ☊ - 0'',08773 \operatorname{Cos} 2☊ + 0'',57990 \operatorname{Cos} 2☉ \\ \qquad\qquad + 0'',08738 \operatorname{Cos} 2☽. \end{cases}$$

ubi ☊ mediam Longitudinem Nodi ascendentis orbitae Lunaris, ☉ et ☽ veras Solis et Lunae Longitudines significant. Phaenomenon illud, ex quo *Cl. de Lindenavius* determinationem suam deduxit, videtur aptissimum ad determinandam massam Lunarem.

Quoniam expressiones illorum $\Delta\psi$ et $\Delta\omega$, quas supra memoravi, a Nutatione axis terrae, ergo ab Aequatoris motione quadam oriuntur, Latitudines stellarum non mutantur ab illis, Longitudines autem in eo tantum mutantur, quod a puncto Aequinoctiorum vernali per Nutationem mutato numerantur, quam ob caussam necesse est omnes communem adipiscantur correctionem $\Delta\psi$. Quantitas, quae ex Nutatione redundat in Adscensiones rectas et Declinationes, omni rigore potest calculari, in formulis [11] et [14] positis $\omega_{,}+\frac{1}{2}\Delta\omega$, $\Delta\omega$, $\Delta\psi$, $\alpha'-z'$ et $\alpha+z$ pro $\frac{1}{2}(\omega'+\omega)$, $\omega'-\omega$, $\psi'-\psi$, a' et a. Quamquam usui Astronomico in plurimis casibus formulae sufficient, quae solorum $\Delta\psi$ et $\Delta\omega$ rationem habeant, neglectis quadratis potentiisque altioribus, tamen complectar in explicatione statim instituenda quadrata, ut constet, quantum valeant, et, si ultima praecisio hoc ita desiderare videatur, ut possint in calculum vocari.

Designatis igitur stellae media Adscensione recta per α, Declinatione per δ, apparentibus vero i. e. Nutatione mutatis per α' et δ', Longitudine media per l, Latitudine autem per b, media Obliquitate Ecliptices per ω, habebimus

$$\begin{aligned} \operatorname{Cos}\delta \operatorname{Cos}\alpha &= \operatorname{Cos} b \operatorname{Cos} l \\ \operatorname{Cos}\delta \operatorname{Sin}\alpha &= \operatorname{Cos} b \operatorname{Sin} l \operatorname{Cos}\omega - \operatorname{Sin} b \operatorname{Sin}\omega \\ \operatorname{Sin}\delta &= \operatorname{Cos} b \operatorname{Sin} l \operatorname{Sin}\omega + \operatorname{Sin} b \operatorname{Cos}\omega \\ \operatorname{Cos}\delta' \operatorname{Cos}\alpha' &= \operatorname{Cos} b \operatorname{Cos}(l+\Delta\psi) \\ \operatorname{Cos}\delta' \operatorname{Sin}\alpha' &= \operatorname{Cos} b \operatorname{Sin}(l+\Delta\psi) \operatorname{Cos}(\omega+\Delta\omega) - \operatorname{Sin} b \operatorname{Sin}(\omega+\Delta\omega) \\ \operatorname{Sin}\delta' &= \operatorname{Cos} b \operatorname{Sin}(l+\Delta\psi) \operatorname{Sin}(\omega+\Delta\omega) + \operatorname{Sin} b \operatorname{Cos}(\omega+\Delta\omega) \end{aligned}$$

*) Fundamenta Astronomiae pro Anno 1755, P. 128, quibus correctiones quasdam adjeci in libro „*Schumacher*, Astronomische Nachrichten", Nr. 34 et 83.

Ex his aequationibus quum fuerint eliminata l et b, habebimus

$$[22]\quad \begin{cases} \alpha'-\alpha = \operatorname{Sin}\omega\,\Delta\psi\,[\operatorname{Cotg}\omega + \operatorname{Sin}\alpha\,\operatorname{Tang}\delta] \\ \qquad -\Delta\omega\,.\,\operatorname{Cos}\alpha\,\operatorname{Tang}\delta \\ \qquad +\tfrac{1}{2}\operatorname{Sin}\omega^2\Delta\psi^2[\tfrac{1}{2}\operatorname{Sin}2\alpha+\operatorname{Cotg}\omega\operatorname{Cos}\alpha\operatorname{Tang}\delta+\operatorname{Sin}2\alpha\operatorname{Tang}\delta^2] \\ \qquad -\operatorname{Sin}\omega\,\Delta\psi\,\Delta\omega[\operatorname{Cos}\alpha^2-\operatorname{Cotg}\omega\operatorname{Sin}\alpha\operatorname{Tang}\delta+\operatorname{Cos}2\alpha\operatorname{Tang}\delta^2] \\ \qquad -\tfrac{1}{2}\Delta\omega^2\,[\tfrac{1}{2}\operatorname{Sin}2\alpha+\operatorname{Sin}2\alpha\operatorname{Tang}\delta^2] \\ \delta'-\delta = \operatorname{Sin}\omega\,\Delta\psi\operatorname{Cos}\alpha+\Delta\omega\operatorname{Sin}\alpha \\ \qquad -\tfrac{1}{2}\operatorname{Sin}\omega^2\,\Delta\psi^2\,\operatorname{Sin}\alpha\,[\operatorname{Cotg}\omega+\operatorname{Sin}\alpha\operatorname{Tang}\delta] \\ \qquad +\operatorname{Sin}\omega\,.\,\Delta\psi\,\Delta\omega\operatorname{Cos}\alpha\,[\operatorname{Cotg}\omega+\operatorname{Sin}\alpha\operatorname{Tang}\delta] \\ \qquad -\tfrac{1}{2}\Delta\omega^2\operatorname{Cos}\alpha^2\operatorname{Tang}\delta \end{cases}$$

Substituendo in his expressionibus formulas [21] et ponendo pro ω Obliquitatem Ecliptices pro initio anni 1800 $=$ 23° 27′ 54″,8, invenientur *primi* ordinis termini

$$[23]\quad \begin{cases} \alpha'-\alpha = -15'',39537\operatorname{Sin}\Omega-[6'',68299\operatorname{Sin}\Omega\operatorname{Sin}\alpha+8'',97707\operatorname{Cos}\Omega\operatorname{Cos}\alpha]\operatorname{Tang}\delta \\ \qquad +0'',18538\operatorname{Sin}2\Omega+[0'',08046\operatorname{Sin}2\Omega\operatorname{Sin}\alpha+0'',08773\operatorname{Cos}2\Omega\operatorname{Cos}\alpha]\operatorname{Tang}\delta \\ \qquad -1'',22542\operatorname{Sin}2\odot-[0'',53194\operatorname{Sin}2\odot\operatorname{Sin}\alpha+0'',57990\operatorname{Cos}2\odot\operatorname{Cos}\alpha]\operatorname{Tang}\delta \\ \qquad -0'',18463\operatorname{Sin}2\mathfrak{D}-[0'',08015\operatorname{Sin}2\mathfrak{D}\operatorname{Sin}\alpha+0'',08738\operatorname{Cos}2\mathfrak{D}\operatorname{Cos}\alpha]\operatorname{Tang}\delta \\ \delta'-\delta = -6'',68299\operatorname{Sin}\Omega\operatorname{Cos}\alpha+8'',97707\operatorname{Cos}\Omega\operatorname{Sin}\alpha \\ \qquad +0'',08046\operatorname{Sin}2\Omega\operatorname{Cos}\alpha-0'',08773\operatorname{Cos}2\Omega\operatorname{Sin}\alpha \\ \qquad -0'',53194\operatorname{Sin}2\odot\operatorname{Cos}\alpha+0'',57990\operatorname{Cos}2\odot\operatorname{Sin}\alpha \\ \qquad -0'',08015\operatorname{Sin}2\mathfrak{D}\operatorname{Cos}\alpha+0'',08738\operatorname{Cos}2\mathfrak{D}\operatorname{Sin}\alpha \end{cases}$$

Terminorum *secundi* ordinis ii tantum sunt attentione digni, qui e maximo formularum [21] membro a simplici Nodi Lunaris Longitudine dependente oriuntur. Quibus solis in calculo retentis, et brevitatis caussa ponendo

$$\Delta\omega = 8'',97707\operatorname{Cos}\Omega = a\operatorname{Cos}\Omega$$
$$-\operatorname{Sin}\omega\,.\,\Delta\psi = 6'',68299\operatorname{Sin}\Omega = b\operatorname{Sin}\Omega$$

invenimus terminos *secundi* ordinis

$$\alpha'-\alpha = \frac{bb-aa}{4}\operatorname{Sin}2\alpha[\operatorname{Tang}\delta^2+\tfrac{1}{2}]+\frac{bb}{4}\operatorname{Tang}\delta\,.\,\operatorname{Cos}\alpha\,\operatorname{Cotang}\omega$$
$$+[\operatorname{Tang}\delta^2\operatorname{Cos}2\alpha-\operatorname{Tang}\delta\operatorname{Sin}\alpha\operatorname{Cotg}\omega+\operatorname{Cos}\alpha^2]\frac{ab}{2}\operatorname{Sin}2\Omega$$
$$-\Big[\frac{bb+aa}{4}\operatorname{Tang}\delta^2\operatorname{Sin}2\alpha+\frac{bb}{4}\operatorname{Tang}\delta\operatorname{Cos}\alpha\operatorname{Cotg}\omega+\frac{bb+aa}{8}\operatorname{Sin}2\alpha\Big]\operatorname{Cos}2\Omega$$
$$\delta'-\delta = -\frac{aa\operatorname{Cos}\alpha^2+bb\operatorname{Sin}\alpha^2}{4}\operatorname{Tang}\delta-\frac{bb}{4}\operatorname{Sin}\alpha\operatorname{Cotg}\omega$$
$$-[\operatorname{Tang}\delta\operatorname{Sin}2\alpha+2\operatorname{Cotg}\omega\operatorname{Cos}\alpha]\frac{ab}{4}\operatorname{Sin}2\Omega$$
$$-\Big[\frac{aa\operatorname{Cos}\alpha^2-bb\operatorname{Sin}\alpha^2}{4}\operatorname{Tang}\delta-\frac{bb}{4}\operatorname{Sin}\alpha\operatorname{Cotg}\omega\Big]\operatorname{Cos}2\Omega$$

Quum partes harum expressionum a 2Ω independentes medium tantum stellae locum mutent, eam ob caussam omitti possunt, reliquae quum ex parte cum formularum [23] membris a 2Ω dependentibus confluant, formulae [23] hanc formam induunt:

$$[23^a]\begin{cases}\alpha'-\alpha = +0'',18545\,\mathrm{Sin}2\Omega + [0'',08012\,\mathrm{Sin}2\Omega\,\mathrm{Sin}\alpha + 0'',08761\,\mathrm{Cos}2\Omega\,\mathrm{Cos}\alpha]\,\mathrm{Tang}\delta\\ \delta'-\delta = +0'',08012\,\mathrm{Sin}2\Omega\,\mathrm{Cos}\alpha - 0'',08761\,\mathrm{Cos}2\Omega\,\mathrm{Sin}\alpha\end{cases}$$

Quod residuum, hoc est

$$[24]\begin{cases}\alpha'-\alpha = +0'',0001454\,[\mathrm{Tang}\,\delta^2+\frac{1}{2}]\,\mathrm{Cos}2\alpha\,\mathrm{Sin}2\Omega\\ \qquad\quad -0'',0001518\,[\mathrm{Tang}\,\delta^2+\frac{1}{2}]\,\mathrm{Sin}2\alpha\,\mathrm{Cos}2\Omega\\ \delta'-\delta = -0'',0000727\,\mathrm{Tang}\,\delta\,\mathrm{Sin}2\alpha\,\mathrm{Sin}2\Omega\\ \qquad\quad -[0'',0000217+0'',0000759\,\mathrm{Cos}2\alpha]\,\mathrm{Tang}\,\delta\,\mathrm{Cos}2\Omega\end{cases}$$

Ex quo intelligitur, hanc correctionem pro Adscensione recta tum demum centesimam partem minuti secundi temporis implere, si Declinatio erit $= 88°\,10'$, pro Declinatione autem centesimam partem minuti secundi arcualis aequare, si Declinatio erit $= 89°\,26'$.

De Aberratione.

Directio, in qua stella fixa conspicitur, respectu oculi directio erit lineae immobilis, qua lumen moveatur illud, quod e stella profectum ad oculum perveniat. Quodsi hujus lineae directio praeter oculum a insuper determinatur per punctum b, ad quod lumen prius quam ad oculum perveniat, id quod temporibus $t-\theta$ et t evenire supponimus, si praeterea oculus hoc temporis intervallo viam aa' conficit, ubi a' punctum aliquod significat in directione moti oculi, haud difficile est intellectu, rectam ba' esse directionem, qua lumen in spatio moveatur, rectam vero ba directionem esse, in qua stella observetur. Erit igitur inter utramque directionem angulus aba' extensus, quem *Aberrationem luminis Bradlejum* apellavisse constat. Ea phaenomeni explicatio fere cum inventoris explicatione congruit *). Cui superstructa est analysis haec.

Jam tria plana se invicem sub angulis rectis secent in immobili puncto spatii, quorum primum sit parallelum Aequatori, duo reliqua sint ad eundem perpendicularia. Illorum secundum transeat per puncta Aequinoctialia, tertium vero per puncta Solstitialia. Distantiae puncti ab his tribus planis designentur per x, y, z, sumto x positivo, si puncti Adscensio recta ex centro coordinatarum visa intra limites erit 270° et 90°, y positivo, si intra 0 et 180°, z positivo, si Declinatio erit aquilonia. Punctorum a' et b ab his planis distantias tempore t notabo litteris

x, y, z pro puncto a'
x', y', z' pro puncto b

Si oculus ad illa tria plana velocitatibus $\frac{dx}{dt}$, $\frac{dy}{dt}$, $\frac{dz}{dt}$ fertur, puncti a coordinatae pro eodem tempore t erunt

$$x-\frac{dx}{dt}.\theta;\quad y-\frac{dy}{dt}.\theta;\quad z-\frac{dz}{dt}.\theta$$

quae expressiones, motu oculi per tempus θ uniformi posito, prorsus verae sunt. Rem subtilissime perpendentes nos non fugiet, motu oculi posito in-

*) *Lalande, Astronomie.* §. 2229. *Gauss*, Theoria motus corp. coel. P. 88.

aequali, lineam illam respectu oculi immobilem non rectam sed curvam esse. Facile igitur est intellectu, aberrationem in Tubis longitudinis diversae diversam esse, sed insensibilem fore differentiam, non obscurum est, vel tum, quum differentia longitudinum Tuborum millies millies major esset, quam esse potest. Si veram stellae inerrantis directionem per Adscensionem rectam α, per Declinationem δ, apparentem vero per α' et δ' significaverimus, habebimus secundum explicationem supra memoratam

$$\lambda \operatorname{Cos}\delta \operatorname{Cos}\alpha = x'-x$$
$$\lambda \operatorname{Cos}\delta \operatorname{Sin}\alpha = y'-y$$
$$\lambda \operatorname{Sin}\delta = z'-z$$

ubi λ distantiam $a'b$ exprimit, praeterea

$$\lambda' \operatorname{Cos}\delta' \operatorname{Cos}\alpha' = x'-x+\frac{dx}{dt}.\theta$$
$$\lambda' \operatorname{Cos}\delta' \operatorname{Sin}\alpha' = y'-y+\frac{dy}{dt}.\theta$$
$$\lambda' \operatorname{Sin}\delta' = z'-z+\frac{dz}{dt}.\theta$$

ubi λ' metitur distantiam ab. Sed θ per velocitatem, qua lumen moveatur, exprimi potest: signato ergo tempore, per quod lumen mediam distantiam terrae a Sole percurrit, littera k, erit $\theta = \lambda k$. Prioribus igitur aequationibus in posterioribus substitutis, dividendo per λ, scribendoque λL pro λ', inveniemus

[25]
$$\begin{cases} L \operatorname{Cos}\delta' \operatorname{Cos}\alpha' = \operatorname{Cos}\delta \operatorname{Cos}\alpha + \frac{dx}{dt}.k \\ L \operatorname{Cos}\delta' \operatorname{Sin}\alpha' = \operatorname{Cos}\delta \operatorname{Sin}\alpha + \frac{dy}{dt}.k \\ L \operatorname{Sin}\delta' = \operatorname{Sin}\delta + \frac{dz}{dt}.k \end{cases}$$

quibus aequationibus, quum pro velocitatibus in directione trium illarum coordinatarum valores necessarii positi fuerint, problema solutum erit rigore geometrico. Approximatione usque ad membra secundi ordinis incl. illae aequationes suppeditant

[26]
$$\begin{cases} \alpha'-\alpha = -k \operatorname{Sec}\delta\left[\frac{dx}{dt}\operatorname{Sin}\alpha - \frac{dy}{dt}\operatorname{Cos}\alpha\right] \\ \qquad +kk \operatorname{Sec}\delta^2\left[\frac{dx}{dt}\operatorname{Sin}\alpha - \frac{dy}{dt}\operatorname{Cos}\alpha\right]\left[\frac{dx}{dt}\operatorname{Cos}\alpha + \frac{dy}{dt}\operatorname{Sin}\alpha\right] \\ \delta'-\delta = -k\left[\frac{dx}{dt}\operatorname{Sin}\delta\operatorname{Cos}\alpha + \frac{dy}{dt}\operatorname{Sin}\delta\operatorname{Sin}\alpha - \frac{dz}{dt}\operatorname{Cos}\delta\right] \\ \qquad -\tfrac{1}{2}kk \operatorname{Tang}\delta\left[\frac{dx}{dt}\operatorname{Sin}\alpha - \frac{dy}{dt}\operatorname{Cos}\alpha\right]^2 \\ \qquad +kk\left[\frac{dx}{dt}\operatorname{Sin}\delta\operatorname{Cos}\alpha + \frac{dy}{dt}\operatorname{Sin}\delta\operatorname{Sin}\alpha - \frac{dz}{dt}\operatorname{Cos}\delta\right]\times \\ \qquad\qquad \left[\frac{dx}{dt}\operatorname{Cos}\delta\operatorname{Cos}\alpha + \frac{dy}{dt}\operatorname{Cos}\delta\operatorname{Sin}\alpha + \frac{dz}{dt}\operatorname{Sin}\delta\right] \end{cases}$$

Reliquum est, ut velocitates oculi in directione trium illarum coordinatarum definiamus. Coordinatis igitur centri Solis significatis per X, Y, Z, distantia terrae a Sole per r, Longitudine Solis per $\odot$, Obliquitate Ecliptices per ω, distantia loci observationis a centro terrae per ϱ, correcta Latitudine hujus loci per φ', Adscensione recta culminantis puncti aequatorialis per μ, invenietur

$$x = X - r\,\mathrm{Cos}\odot + \varrho\,\mathrm{Cos}\varphi'\,\mathrm{Cos}\mu$$
$$y = Y - r\,\mathrm{Sin}\odot\,\mathrm{Cos}\omega + \varrho\,\mathrm{Cos}\varphi'\,\mathrm{Sin}\mu$$
$$z = Z - r\,\mathrm{Sin}\odot\,\mathrm{Sin}\omega + \varrho\,\mathrm{Sin}\varphi'$$

Harum expressionum completi quotientes differentiales substituendi sunt in formulis [25] et [26], ut completa Aberratio accipiatur. Ex quo apparet, non modo motum oculi respectu Solis esse considerandum, verum etiam ipsum Solarem motum, qui vel ex progressivo Solis in spatio incessu vel e motione Solis circa commune centrum gravitatis totius systematis Solaris oriri possit. Motus autem progressivus, qui pro celeriore vel tardiore incessu majorem vel minorem Aberrationem excitat, hic relinqui poterit, quia Aberratio ex hac profecta causa mediis stellarum locis se misceat necesse est; periodica vero pars motus Solaris minimas, ut alio loco *) exposui, profert Aberrationes, quae si essent receptae, formulas praeter necessitatem complicatas redderent. Quare solum motum ellipticum centri terrestris motumque terrae rotatum circa axin suum in computatione retinebo.

Differentiando igitur expressiones illarum x, y, z, curaque de legibus Keplerianis rite adhibita, reperietur:

$$\frac{dx}{dt} = \frac{dm}{\sqrt{(1-ee)}dt}\,\{\mathrm{Sin}\odot + e\,\mathrm{Sin}P\} - \varrho\frac{d\mu}{dt}\,\mathrm{Cos}\varphi'\,\mathrm{Sin}\mu$$
$$\frac{dy}{dt} = \frac{-\mathrm{Cos}\omega.dm}{\sqrt{(1-ee)}dt}\,\{\mathrm{Cos}\odot + e\,\mathrm{Cos}P\} + \varrho\frac{d\mu}{dt}\,\mathrm{Cos}\varphi'\,\mathrm{Cos}\mu$$
$$\frac{dz}{dt} = \frac{-\mathrm{Sin}\omega.dm}{\sqrt{(1-ee)}dt}\,\{\mathrm{Cos}\odot + e\,\mathrm{Cos}P\}$$

ubi $\frac{dm}{dt}$ significat medium Solis motum siderum eadem, qua k metiamur, temporis unitate expressum, P Longitudinem Perigei, e orbitae terrestris Excentricitatem.

His expressionibus in formulis [26] substitutis et membra inveniuntur periodica, quae a $\odot$ et μ dependeant, et membra ab his iisdem quantitatibus independentia, quae, quum confluant cum mediis stellarum locis, neque alius momenti esse videatur, ea segregare ab his, negligi poterunt. Sed periodica membra, quatenus a Solis Longitudine pendentia, *annuam* efficiunt Aberrationem, *diurnam* quatenus a tempore sidereo. In primo ordine duae illae Aberrationes sejunctae sunt, in secundo quidem mixtae, sed quod ex diurno motu in membra hujus ordinis redundat, id tam parvi ducendum erit, ut prorsus omitti possit.

*) Fundamenta Astronomiae pro Anno 1755. P. 132.

Igitur hanc utramque Aberrationem separatim examinabo, initiumque ducam ab *annua* Aberratione. Substitutione in formulis [26] facta, omissisque membris independentibus a Longitudine Solari et in secundo ordine Eccentricitate orbitae terrestris neglecta, positoque $\varkappa$ pro

$$\frac{k\ \mathrm{d}m}{\sqrt{(1-ee)}\mathrm{d}t},$$

invenientur

$$\alpha'-\alpha = -\varkappa \operatorname{Sec}\delta\,[\operatorname{Cos}\odot \operatorname{Cos}\alpha \operatorname{Cos}\omega + \operatorname{Sin}\odot \operatorname{Sin}\alpha]$$
$$-\tfrac{1}{4}\varkappa\varkappa \operatorname{Sec}\delta^2[\operatorname{Cos}2\odot \operatorname{Sin}2\alpha(1+\operatorname{Cos}\omega^2) - 2\operatorname{Sin}2\odot \operatorname{Cos}2\alpha \operatorname{Cos}\omega]$$
$$\delta'-\delta = +\varkappa[\operatorname{Cos}\odot(\operatorname{Sin}\alpha \operatorname{Sin}\delta \operatorname{Cos}\omega - \operatorname{Cos}\delta \operatorname{Sin}\omega) - \operatorname{Sin}\odot \operatorname{Cos}\alpha \operatorname{Sin}\delta]$$
$$-\tfrac{1}{2}\varkappa\varkappa \operatorname{Tang}\delta[\operatorname{Cos}2\odot(\operatorname{Cos}2\alpha(1+\operatorname{Cos}\omega^2) - \operatorname{Sin}\omega^2) + 2\operatorname{Sin}2\odot \operatorname{Sin}2\alpha \operatorname{Cos}\omega]$$

ubi in ultima formula nonnulla membra, non multiplicata in $\operatorname{Tang}\delta$, quippe nunquam millesimam partem minuti secundi adaequantia, omittere non dubitavi.

Valorem ipsius $\varkappa$ secundum *Cl. de Lambre* posui $= 20'',255$, quod proxime accedit ad valorem e *Bradleji* observationibus inventum. Non defuere, qui hunc valorem augendum esse arbitrarentur. Sed quum in eo stellarum maxime consulerent observationes Adscensionum rectarum, illud verendum esse duxi *), ne Maximum Aberrationis in Adscensione recta se Maximo misceat effectus, quem in instrumenta exercent Astronomica diurnae caloris variationes. Quas quum non liceat directe ea qua par est praecisione definire, eas non sine pertractatione rei omnino abesse judicabimus. Itaque posito $\varkappa = 20'',255$, formulae, quae *annuam* Aberrationem exhibent, erunt hae:

[27]
$$\begin{cases} \alpha'-\alpha = -20'',255 \operatorname{Sec}\delta\,[\operatorname{Cos}\odot \operatorname{Cos}\alpha \operatorname{Cos}\omega + \operatorname{Sin}\odot \operatorname{Sin}\alpha] \\ \qquad\quad - 0'',0009157\ \operatorname{Sec}\delta^2 . \operatorname{Sin}2\alpha\ \operatorname{Cos}2\odot \\ \qquad\quad + 0'',0009123\ \operatorname{Sec}\delta^2 . \operatorname{Cos}2\alpha\ \operatorname{Sin}2\odot \\ \delta'-\delta = +20'',255\ \operatorname{Cos}\odot[\operatorname{Sin}\alpha \operatorname{Sin}\delta \operatorname{Cos}\omega - \operatorname{Cos}\delta \operatorname{Sin}\omega] \\ \qquad\quad -20'',255\ \operatorname{Sin}\odot \operatorname{Cos}\alpha \operatorname{Sin}\delta \\ \qquad\quad +[0'',0000394 - 0'',0004578 \operatorname{Cos}2\alpha] \operatorname{Tang}\delta . \operatorname{Cos}2\odot \\ \qquad\quad - 0'',0004561 \operatorname{Tang}\delta . \operatorname{Sin}2\alpha \operatorname{Sin}2\odot \end{cases}$$

Pro stellis, quarum Declinatio minor erit quam $85° 51'$, membra secundi ordinis in Adscensione recta non centesimam partem minuti secundi temporalis amplecti poterunt, pro Declinationibus minoribus quam $87° 9'$ non ad centesimam partem secundi arcualis ascendere poterunt in Declinatione.

Quum stellae Adscensio recta et Declinatio, Longitudo Solaris et Obliquitas Ecliptices, quae in formulis [27] occurrunt, ad verum pertineant Nutatione jam mutatum Aequatorem, in calculo Aberrationis correctiones erunt addendae, a productis Aberrationis et Nutationis profectae, si quis valoribus a Nutatione non affectis uti velit. Illae correctiones inveniuntur differentiando formulas [27] respectu quantitatum α, δ, $\odot$ et ω, et tum ponendo pro $\mathrm{d}\alpha$, $\mathrm{d}\delta$, $\mathrm{d}\odot$, $\mathrm{d}\omega$ effectum Nutationis in easdem quantitates. Quodsi ea sola membra retinentur, quae cum ipsa Declinatione plurimum crescunt i. e. pro Ad-

*) Abhandlungen der mathematischen Classe der Akademie von Berlin, für 1818 bis 1819. P. 26.

scensione recta, quae sunt in $\text{Tang}\,\delta\,\text{Sec}\,\delta$ multiplicata, pro Declinatione, quae sunt in $\text{Tang}\,\delta\,\text{Sin}\,\delta$, quantitates $d\odot$ et $d\omega$ nullius momenti ducendae erunt, quare statuere licebit:

$$d\alpha = -[b\,\text{Sin}\,\Omega\,\text{Sin}\,\alpha + a\,\text{Cos}\,\Omega\,\text{Cos}\,\alpha]\,\text{Tang}\,\delta$$
$$d\delta = -b\,\text{Sin}\,\Omega\,\text{Cos}\,\alpha + a\,\text{Cos}\,\Omega\,\text{Sin}\,\alpha$$

quo facile invenietur

$$\alpha' - \alpha = \text{Tang}\,\delta\,\text{Sec}\,\delta\,\frac{20'',255}{2}\left\{\begin{array}{l} -(b+a\,\text{Cos}\,\omega)\,\text{Sin}\,2\alpha\,\text{Cos}\,(\odot+\Omega) \\ +(b\,\text{Cos}\,\omega+a)\,\text{Cos}\,2\alpha\,\text{Sin}\,(\odot+\Omega) \\ +(b-a\,\text{Cos}\,\omega)\,\text{Sin}\,2\alpha\,\text{Cos}\,(\odot-\Omega) \\ -(b\,\text{Cos}\,\omega-a)\,\text{Cos}\,2\alpha\,\text{Sin}\,(\odot-\Omega) \end{array}\right.$$

$$\delta' - \delta = \text{Tang}\,\delta\,\text{Sin}\,\delta\,.\,\frac{20'',255}{4}\left\{\begin{array}{l} -(b+a\,\text{Cos}\,\omega)\,\text{Cos}\,2\alpha\,\text{Cos}\,(\odot+\Omega) \\ -(b\,\text{Cos}\,\omega+a)\,\text{Sin}\,2\alpha\,\text{Sin}\,(\odot+\Omega) \\ +(b-a\,\text{Cos}\,\omega)\,\text{Cos}\,2\alpha\,\text{Cos}\,(\odot-\Omega) \\ +(b\,\text{Cos}\,\omega-a)\,\text{Sin}\,2\alpha\,\text{Sin}\,(\odot-\Omega) \\ +(b-a\,\text{Cos}\,\omega)\,\text{Cos}\,(\odot+\Omega) \\ -(b+a\,\text{Cos}\,\omega)\,\text{Cos}\,(\odot-\Omega) \end{array}\right.$$

sive numeris expressum

[28]

$$\alpha' - \alpha = \text{Tang}\,\delta\,\text{Sec}\,\delta\left\{\begin{array}{l} -0'',0007324\,\text{Sin}\,2\alpha\,\text{Cos}\,(\odot+\Omega) \\ +0'',0007418\,\text{Cos}\,2\alpha\,\text{Sin}\,(\odot+\Omega) \\ -0'',0000762\,\text{Sin}\,2\alpha\,\text{Cos}\,(\odot-\Omega) \\ +0'',0001398\,\text{Cos}\,2\alpha\,\text{Sin}\,(\odot-\Omega) \end{array}\right.$$

$$\delta' - \delta = \text{Tang}\,\delta\,\text{Sin}\,\delta\left\{\begin{array}{l} -0'',0003662\,\text{Cos}\,2\alpha\,\text{Cos}\,(\odot+\Omega) \\ -0'',0003709\,\text{Sin}\,2\alpha\,\text{Sin}\,(\odot+\Omega) \\ -0'',0000381\,\text{Cos}\,2\alpha\,\text{Cos}\,(\odot-\Omega) \\ -0'',0000699\,\text{Sin}\,2\alpha\,\text{Sin}\,(\odot-\Omega) \\ -0'',0000381\,\text{Cos}\,(\odot+\Omega) \\ -0'',0003662\,\text{Cos}\,(\odot-\Omega) \end{array}\right.$$

Si Declinatio 85° 36′ non excedit, haec correctio Adscensionis rectae non assequi poterit centesimam partem minuti secundi temporalis, pro Declinatione minore quam 85° 22′ correctio Declinationis minor erit quam centesima pars minuti secundi arcualis.

Ponendo in formulis [26], ut *diurna* obtineatur Aberratio,

$$\frac{dx}{dt} = -\varrho\,\frac{d\mu}{dt}\,\text{Cos}\,\varphi'\,\text{Sin}\,\mu$$
$$\frac{dy}{dt} = +\varrho\,\frac{d\mu}{dt}\,\text{Cos}\,\varphi'\,\text{Cos}\,\mu$$
$$\frac{dz}{dt} = 0$$

invenietur

$$\alpha' - \alpha = k\varrho\,\frac{d\mu}{dt}\,\text{Cos}\,\varphi'\,\text{Cos}\,(\mu-\alpha)\,\text{Sec}\,\delta$$
$$\delta' - \delta = k\varrho\,\frac{d\mu}{dt}\,\text{Cos}\,\varphi'\,\text{Sin}\,(\mu-\alpha)\,\text{Sin}\,\delta$$

Ut harum formularum factorem a loco stellae independentem numeris exprimamus, habebimus ut supra

$$\frac{k\,\mathrm{d}m}{\sqrt{(1-ee)}\mathrm{d}t} = 20'',255$$

porro

$$\frac{\mathrm{d}\mu}{\mathrm{d}t} = (T+1)\,\frac{\mathrm{d}m}{\mathrm{d}t}$$

ubi T numerum repraesentat mediorum dierum, ergo $T+1$ numerum dierum sidereorum, quos annus sideralis complectitur; postremo erit, significando distantiam loci observationis a centro terrae partibus radii aequatorialis expressam per ϱ'

$$\varrho = \varrho' \,\mathrm{Sin}\, 8'',5776$$

ubi media parallaxis horizontalis Solis ea est, quam *Cl. Encke* *) derivavit ex diligentissima pervestigatione transituum Veneris per discum Solis annis 1761 et 1769 observatorum. Hinc sequitur

$$k\varrho\,\frac{\mathrm{d}\mu}{\mathrm{d}t} = 0'',30847\,.\,\varrho'$$

et si $\varrho'\,\mathrm{Cos}\,\varphi'$ per observatam poli altitudinem φ et per eccentricitatem meridianorum terrestrium ε exprimitur,

$$k\varrho\,\frac{\mathrm{d}\mu}{\mathrm{d}t}\,\mathrm{Cos}\,\varphi' = 0'',30847\,\frac{\mathrm{Cos}\,\varphi}{\sqrt{(1-\varepsilon\varepsilon\,\mathrm{Sin}\,\varphi^2)}}$$

Habebimus igitur *diurnam* Aberrationem

[29]
$$\begin{cases} \alpha'-\alpha = 0'',30847\,\dfrac{\mathrm{Cos}\,\varphi}{\sqrt{(1-\varepsilon\varepsilon\,\mathrm{Sin}\,\varphi^2)}}\,\mathrm{Cos}\,t\,\mathrm{Sec}\,\delta \\ \delta'-\delta = 0'',30847\,\dfrac{\mathrm{Cos}\,\varphi}{\sqrt{(1-\varepsilon\varepsilon\,\mathrm{Sin}\,\varphi^2)}}\,\mathrm{Sin}\,t\,\mathrm{Sin}\,\delta \end{cases}$$

ubi stellae angulus horarius $\mu-\alpha$ significatus est per t. Ex quibus formulis elucet, pro superiore culminatione stellae Adscensionem rectam per diurnam Aberrationem quantitate

$$0'',30847\,\frac{\mathrm{Cos}\,\varphi}{\sqrt{(1-\varepsilon\varepsilon\,\mathrm{Sin}\,\varphi^2)}}\,\mathrm{Sec}\,\delta$$

augeri, pro inferiore eadem quantitate minui, in utraque vero culminatione Declinationem immutatam manere. In calculo igitur hujus Aberrationis completa ratio habebitur pro observationibus in meridiano institutis, si transitus stellarum per medium Tubi meridiani filum non formula **)

$$m + n\,\mathrm{Tang}\,\delta + c\,\mathrm{Sec}\,\delta$$

ad meridianum reducuntur, ubi deflexio instrumenti ab orbe meridiano in Aequatore per $m+c$, in polo per $n+c$, vitium collimationis per c (haec omnia tempore expressa et in oriente coeli parte positive sumpta) notata sunt, sed potius formula reducuntur hac

$$m + n\,\mathrm{Tang}\,\delta + c'\,\mathrm{Sec}\,\delta$$

*) *I. F. Encke*, Venusdurchgang von 1769. P. 108. Gothae, 1824.

**) Beobachtungen auf der Sternwarte in Königsberg. II. Abtheilung.

ubi

$$c' = c - 0'',020565 \frac{\text{Cos}\,\varphi}{\sqrt{(1-\varepsilon\varepsilon\,\text{Sin}\,\varphi^2)}}$$

Aberratio in Longitudine et Latitudine invenietur in formulis [27] ponendo $\omega = 0$, et pro α et δ Longitudine l et Latitudine b, ex quo reperietur

$$[30] \quad \begin{cases} l' - l = -\varkappa\,\text{Cos}\,(\odot - l)\,\text{Sec}\,b + \frac{1}{2}\varkappa\varkappa\,\text{Sin}\,2(\odot - l)\,\text{Sec}\,b^2 \\ b' - b = -\varkappa\,\text{Sin}\,(\odot - l)\,\text{Sin}\,b - \frac{1}{2}\varkappa\varkappa\,\text{Cos}\,2(\odot - l)\,\text{Tang}\,b \end{cases}$$

Ea membra, quae a productis Aberrationis et Nutationis proficiscuntur, pro Longitudine et Latitudine evanescunt.

Planetarum et Cometarum Aberratio erit

$$\alpha' - \alpha = -r'k\,\Delta\alpha$$
$$\delta' - \delta = -r'k\,\Delta\delta$$

ubi $\Delta\alpha$ et $\Delta\delta$ ipsorum motus significant medio die confectos, r' eorum distantiam ab observatore et

$$k = \frac{20'',255 \,.\, 365,25637\ \sqrt{(1-ee)}}{1296000}$$

$$\text{Log}\,k = 7\,.\,75646$$

erunt.

Si quis in locis planetae sive cometae Aberrationem ea ratione velit calculo comprehendere, ut loco temporis, pro quo computandi sunt, id tempus assumat, quo lumen ab iisdem proficisceretur, a priore tempore adimenda erit quantitas $r'k$, ubi logarithmus quantitatis k, minutis secundis temporalibus expressae, erit $= 2{,}69298$.

Explicatio et usus Tabularum.

Tabulae I & II.

Reductio diei ad annum fictum.

Argumentum omnium hujus operis Tabularum, quae quantitates continent a tempore pendentes, series est dierum anni ficti, incipientis eo temporis momento, quo sit media Longitudo Solaris = 280°. Quare Tabulae hae immediate locum habebunt in iis terrae meridianis, pro quibus epocha mediae Longitudinis Solaris sit = 280°, sed quia Sol conversionem annuam non integro dierum numero conficit, Tabulae alio quoque anno pro alio meridiano valeant necesse est.

Si differentia hujus meridiani a Parisiensi tempore metita, positiveque sumta adversus orientem significatur per k, differentia meridiani loci terrae, itidem a meridiano Parisiensi numerata, sed adversus occidentem positive sumpta, notatur per d, hujus loci tempori, pro quo quantitates Tabulis contentae inveniendae sunt, priusquam cum ipso in Tabulas introeatur, addenda est $k + d$. Diem, hoc addito numero reductum ad annum fictum, *Diem reductum* appellare placet.

Prima Tabula continet quantitatem k pro quoque anno ab anno 1750 usque ad annum 1850, non solum horis, minutis et minutis secundis, verum etiam millesimis partibus diei expressam. Haec Tabula constructa est secundum ea Solis elementa, quae ex annalibus quondam observationum Solis a *Bradlejo* et a me ipso institutarum derivavi*), quaeque Epocham suppeditant mediae Longitudinis pro anno $1800 + t$ et pro meridiano Parisiensi

$$E = 279^\circ\,54'\,1'',36 + t \,.\, 27'',605844 + tt \,.\, 0'',0001221805 - f \,.\, 14'\,47'',083$$

ubi f pro anno quodam decimi noni saeculi est residuum r, quod restat, si numerus annorum dividatur per 4, pro anno autem decimi octavi saeculi $= r - 4$.

Inde reperietur k secundum formulam:

$$k = \frac{E - 280^\circ}{\text{mot. med. diurn.} \odot}$$

*) *Schumacher*, Astronomische Nachrichten. Nr. 133.

et ponendo medium Solis motum diurnum = 59′ 8″,3302,

$$k = -2^h\,25'\,32'',698 + t \cdot 11'\,12'',18798 + tt \cdot 0'',002975 - f \cdot 6^h$$

sive erit decimalibus diei partibus expressum,

$$k = -0{,}10107289 + t \cdot 0{,}0077799535 + tt \cdot 0{,}000000034433 - \tfrac{1}{4}f.$$

Prior Tabula computata est secundum has formulas, posterior Tabula meridierum continet differentias, quibus spectatissimae speculae Astronomicae distant a specula Parisiensi, sive quantitatem d ad eas determinationes, quae nunc mihi certissimae videntur.

Exemplum. Quaeritur Reductio dierum pro anno 1829 et pro specula Regiomontana.

Tab. I.	1829.....	$-8^h\ 0'\ 36'',7$,	sive $-0{,}125$
- II.	Regiomontum..	$-1^h\ 12'\ 39'',0$,	sive $-0{,}050$
Reductio dierum anni	1829.....	$-4^h\ 13'\ 15'',7$,	sive $-0{,}175$

Tabula III.

Praecessio Aequinoctiorum media.

Haec Tabula secundum formulas [2], [7] et [16] supra traditas calculata est, eique explicandae supersedere possumus, quum formulae pro annuis variationibus Adscensionis rectae, Declinationis, Longitudinis et Latitudinis inferiori Tabulae margini adscriptae sint.

Praecessiones annuae stellarum a *Bradlejo* observatarum, quae pro 1755 et pro 1800 in „*Fundamentis Astronomiae pro Anno* 1755“ expositae sunt, secundum valores ipsorum m et n paulo diversos computatae sunt. Haud superfluum duco, correctiones hic promere illis addendas, ut congruant cum nova illa Praecessionis determinatione, ad quam condita est Tabula III.

Significando adhibitos valores Constantium, a quibus annuae Praecessiones in Adscensione recta et Declinatione pendent, per m et n, valores nunc adhibendos per $m + \Delta m$ et $n + \Delta n$, Praecessiones prioribus computatas per p, correctas per $p + \Delta p$, habebimus pro $1750 + t$

$$m = 45'',99592 + t \cdot 0'',0003086450$$
$$n = 20'',05089 - t \cdot 0'',0000970204$$

porro

$$m + \Delta m = 46'',02824 + t \cdot 0'',0003086450$$
$$n + \Delta n = 20'',06442 - t \cdot 0'',0000970204$$

ergo

$$\Delta m = +0'',03232;\quad \Delta n = +0'',01403$$

Inde sequitur pro Adscensione recta

$$p = m + n \operatorname{Tang}\tfrac{1}{2}\delta \operatorname{Sin}\alpha$$
$$\Delta p = \Delta m + \Delta n \operatorname{Tang}\tfrac{1}{2}\delta \operatorname{Sin}\alpha$$

et pro Declinatione

$$p = n \operatorname{Cos} \alpha$$
$$\Delta p = \Delta n \operatorname{Cos} \alpha$$

et eliminando $\operatorname{Tang} \delta \operatorname{Sin} \alpha$ et $\operatorname{Cos} \alpha$, pro Adscensione recta

$$\Delta p = \Delta m - \frac{m}{n} \Delta n + \frac{p}{n} \Delta n$$

et pro Declinatione

$$\Delta p = \frac{p}{n} \Delta n$$

Hae quantitates numeris expressae erunt, pro Adscensione recta

$$1755 . \Delta p = + 0'',00013 + p . 0{,}0006998$$
$$1800 \quad = + 0'',00012 + p . 0{,}0006999$$

et pro Declinatione

$$1755 . \Delta p = p . 0{,}0006998$$
$$1800 . \quad = p . 0{,}0006999$$

ex quo intelligimus, non solum pro 1755 sed etiam pro 1800 correctas Praecessiones cum sufficiente approximatione nos accepturos esse, multiplicando valores in „*Fund. Astr.*“ traditos per 1,0007.

Dum Tabulae hujus operis calculabantur, summus Geometra ***Poisson*** in lucem edidit disquisitionem de motu terrae circa centrum gravitatis *), in qua, theoria Praecessionis simplicissime et elegantissime tractata, formulas dedit, quae quum Praecessionem Lunisolarem secundum meam determinationem exhibeant, in quantitatibus, quae a motibus orbitae terrestris saecularibus dependent, a ***Laplacianis*** [2] paullulum differunt. Sed computatio harum Tabularum nimis longe processerat, quam ut potuerim novas illas formulas adhibere. Caeterum sperandum est, fore, ut saeculares orbitae terrestris variationes mox aliquis secundum novam methodum ab Ill. ***Gaussio*** promulgatam **) et a Cel. ***Nicolaio*** pro unica epocha (1800) adhibitam ***) ad calculos sit vocaturus. Quo facto, facile erit, formulas [2] corrigere secundum theoriam Poissonianam, ut in iis nihil aliud incerti resideat, quam quod a planetarum massis, non satis cognitis, oriatur.

Tabulae IV & V.

Nutatio pro Longitudine et pro Adscensione recta media Solis atque Obliquitas Ecliptices apparens.

Nutatio, pro Longitudine et pro Obliquitate Ecliptices in his Tabulis adhibita, computata est secundum formulas [21]. Quarta Tabula prima continet columna correctionem omnibus Longitudinibus communem, quatenus a Longi-

*) Mémoire sur le mouvement de la terre etc. lu à l'académie des sciences le 30. Avril 1827.

**) *Gauss*, Determinatio Attractionis etc. Gottingae, 1818.

***) *Bode*, Astronomisches Jahrbuch für 1830.

tudine Nodi Lunaris dependentem, secunda vero columna similem tempore expressam correctionem mediae Adscensionis rectae Solaris, tertia columna mediam Ecliptices Obliquitatem cum Nutatione Lunari conjunctam. Quinta Tabula continet Nutationem Solarem pro Longitudine et Obliquitate. Supervacaneum videbatur, peculiarem addere Tabulam pro partibus formularum [21] a duplici Longitudine Lunari pendentibus, quippe exiguis et brevis insuper periodi. Utriusque Tabulae Argumentum *dies reductus* est.

Media Ecliptices Obliquitas, quae subest Tabulae IV, non computata est secundum formulam [2], sed secundum eam formulam, quam ex solis observationibus derivavi *), nempe pro $1800 + t$

$$23^\circ\,27'\,54'',8 - t \,.\, 0'',457$$

Quam formulam duabus postea confirmatam determinationibus, nempe

1815 ..... 23° 27′ 47″,42

1825 ..... 43″,78

adhibita disquisitione omnium Regiomonti circa Solem usque ad annum 1825 institutarum observationum, illi duxi anteponendam esse, quia negari non potest, theoriam, cui formula illa superstructa sit, incerti aliquid habere in massis planetarum, observationes contra minimam incertitudinem relinquere de annua Obliquitatis diminutione.

Exemplum. Quaeritur Nutatio pro Longitudine et apparens Obliquitas Ecliptices pro meridie Regiomontano die 25. April. 1829.

Adhibitis Tabulis I et II reductio invenietur dierum anni 1829 = −0,175; ergo *dies reductus* erit Apr. 22,825, pro quo Tabulae suppeditant

	Nut. Long.	Obl. Ecl.
Tab. IV.	+ 1″,91	23° 27′ 32″,40
— V.	− 1″,22	+ 0″,24
Summa	+ 0″,69	23° 27′ 32″,64

Tabulae VI & VII.

Conversio Temporis Solaris medii in Tempus sidereum, et vice versa.

Tabula sexta, computata ab *Angero* meo, mediam continet tempore expressam Adscensionem rectam Solis, conjunctam cum Nutatione Solari pro omnibus anni ficti mediis meridiebus, eamque calculatam esse apparet secundum formulam

$$18\ 40' + n \,.\, 3'\,56'',555347 - 0'',081695\ \mathrm{Sin}\,2\odot$$

in qua n omnes numeros integros ab 0 usque ad 365 significat. Quodsi numeris illa contentis Nutatio addatur ex secunda columna Tab. IV depromenda,

*) Fundamenta Astronomiae etc. P. 61.

quae a Longitudine Nodi Lunaris dependet, medias habebimus a puncto Aequinoctiorum vernali numeratas Solis Adscensiones rectas pro mediis anni ficti meridiebus, quas si pro meridiebus meridiani desideramus, cujus sit a Parisiensi differentia occidentalis $= d$, addendus est motus per tempus $k+d$ confectus (Tab. I et II), quem Tab. VII prima columna subministrat. Si e. g. mediae quaeruntur Adscensiones rectae pro mediis meridiebus Regiomontanis anni 1829, reductionem dierum habemus, ut supra $= -4^h 13' 15'',7$, cui respondet in Tab. VII. Col. 1 motus $-41'',605$, qui conjunctus cum Nutatione Lunari Tab. IV. Col. 2 exhibet

pro	Jan. 0	$-41'',380$
	Apr. 10	$-41,476$
	Jul. 19	$-41,572$
	Oct. 27	$-41,669$
	Dec. 66	$-41,766$

qui numeri, numeris Tab. VI additis, quaesitas suppeditant medias Adscensiones rectas Solis pro mediis meridiebus Regiomontanis anni 1829: e. g. pro Apr. 23 addendae $-41'',488$, quo invenietur tempus sidereum in medio meridie hujus diei $= 2^h 4' 49'',191$.

Si tempus medium M convertendum est in tempus sidereum S, habebimus

$$S = M + \text{Num. Tab. VI} + \text{Nut.} + \text{mot}(M+k+d)$$

ubi motus per tempus $M+k+d$ confectus e *prima* columna Tab. VII depromendus est.

Exemplum. Quaeritur tempus sidereum, quod respondeat tempori medio 1829 Apr. 23. $8^h 16' 23'',7$ Regiom.

Tempus medium	$8^h 16' 23'',700$
Apr. 23. Tab. VI	$2^h 5' 30'',679$
Nutatio. Tab. IV. Col. 2	$+ 0'',116$
$M+k+d = 4^h 3' 8'',0$. Tab. VI. Col. 1	$+39'',941$
Tempus sidereum	$10^h 22' 34'',436$

Eadem Tab. VI aeque commode poterit adhiberi ad conversionem temporis siderei in tempus medium, ad quem usum Tabulae VII alia adjecta est columna, quae medium motum Solarem horis, minutis et minutis secundis temporis siderei expressum continet. Significando

$$S - (\text{Num. Tab. VI} + \text{Nut.})$$

per M', habebimus

$$M = M' - \text{mot}(M' + k + d)$$

ubi motus pro tempore $M' + k + d$ e *secunda* columna depromendus est.

Exemplum. Quaeritur tempus medium, quod respondeat tempori sidereo 1829 Apr. 23. $10^h 22' 34'',436$ Regiom.

Tempus sidereum	$10^h\,22'\,34'',436$
Apr. 23. Tab. VI	$2^h\,5'\,30'',679$
Nutatio Tab. IV. Col. 2	$+0'',116$ $2^h\,5'\,30'',795$
M'	$8^h\,17'\,3'',641$
$M'+k+d=4^h\,3'47'',941$. Tab. VII. Col. 2	$-39'',940$
Tempus medium	$8^h\,16'\,23'',701$

Tabulae VIII & IX.

Valores quantitatum ad computationem locorum apparentium stellarum fixarum generaliter inservientium.

Apparentem stellae fixae Adscensionem rectam α', Declinationem δ' ex media ejus Adscensione recta α, Declinatione δ, datis pro initio anni, secundum formulas sequentes computandas esse suppono:

$$\begin{aligned}
\alpha' = \alpha &+ \tau\,[m + n\,\mathrm{Tang}\,\delta\,\mathrm{Sin}\,\alpha] + \tau\,.\,\mu \\
&- [15'',39537 + 6'',68299\,\mathrm{Tang}\,\delta\,\mathrm{Sin}\,\alpha]\,\mathrm{Sin}\,\Omega \\
&- 8'',97707\,\mathrm{Tang}\,\delta\,\mathrm{Cos}\,\alpha\,.\,\mathrm{Cos}\,\Omega \\
&+ [0'',18538 + 0'',08046\,\mathrm{Tang}\,\delta\,\mathrm{Sin}\,\alpha]\,\mathrm{Sin}\,2\Omega \\
&+ 0'',08773\,\mathrm{Tang}\,\delta\,\mathrm{Cos}\,\alpha\,.\,\mathrm{Cos}\,2\Omega \\
&- [1'',22542 + 0'',53194\,\mathrm{Tang}\,\delta\,\mathrm{Sin}\,\alpha]\,\mathrm{Sin}\,2\odot \\
&- 0'',57990\,\mathrm{Tang}\,\delta\,\mathrm{Cos}\,\alpha\,.\,\mathrm{Cos}\,2\odot \\
&- 20'',255\,\mathrm{Cos}\,\omega\,.\,\mathrm{Sec}\,\delta\,\mathrm{Cos}\,\alpha\,.\,\mathrm{Cos}\,\odot \\
&- 20'',255\,\mathrm{Sec}\,\delta\,\mathrm{Sin}\,\alpha\,.\,\mathrm{Sin}\,\odot \\
\delta' = \delta &+ \tau\,.\,n\,\mathrm{Cos}\,\alpha + \tau\,.\,\mu' \\
&- 6'',68299\,\mathrm{Cos}\,\alpha\,\mathrm{Sin}\,\Omega \\
&+ 8'',97707\,\mathrm{Sin}\,\alpha\,\mathrm{Cos}\,\Omega \\
&+ 0'',08046\,\mathrm{Cos}\,\alpha\,\mathrm{Sin}\,2\Omega \\
&- 0'',08773\,\mathrm{Sin}\,\alpha\,\mathrm{Cos}\,2\Omega \\
&- 0'',53194\,\mathrm{Cos}\,\alpha\,\mathrm{Sin}\,2\odot \\
&+ 0'',57990\,\mathrm{Sin}\,\alpha\,\mathrm{Cos}\,2\odot \\
&+ 20'',255\,[\mathrm{Sin}\,\alpha\,\mathrm{Sin}\,\delta\,\mathrm{Cos}\,\omega - \mathrm{Cos}\,\delta\,\mathrm{Sin}\,\omega]\,\mathrm{Cos}\,\odot \\
&- 20'',255\,\mathrm{Cos}\,\alpha\,\mathrm{Sin}\,\delta\,.\,\mathrm{Sin}\,\odot
\end{aligned}$$

In his formulis, ubi τ significat tempus ab initio anni numeratum (toto anno pro unitate sumpto), μ et μ' annuos motus proprios in Adscensione recta et Declinatione, ea membra, quae a quadratis productisque Aberrationis et Nutationis nec non a duplici Longitudine Lunari pendent, neglecta sunt. Priora, ut supra demonstratum est, tantum pro stellis polo proximis alicujus momenti sunt, posteriora, quae locum stellae nunquam decima minuti secundi parte respectu circuli maximi mutant, brevi insuper circumscripta sunt periodo, quo fit, ut ipsorum effectus in medium saepius repetitarum stellae observationum

longe sit minor. Hae igitur formulae in plurimis casibus in locum completarum, quas supra explicui, substitui poterunt.

Statuendo

$$6'',68299 = ni; \quad 15'',39537 - mi = h$$
$$0'',08046 = ni'; \quad 0'',18538 - mi' = h'$$
$$0'',53194 = ni''; \quad 1'',22542 - mi'' = h''$$

formulae, quas modo memoravi, ad hanc formam redigi possunt:

$$\begin{aligned}\alpha' = \alpha &+ [\tau - i\,\mathrm{Sin}\,\Omega + i'\,\mathrm{Sin}\,2\Omega - i''\,\mathrm{Sin}\,2\odot]\,(m + n\,\mathrm{Tang}\,\delta\,\mathrm{Sin}\,\alpha)\\ &- [8'',97707\,\mathrm{Cos}\,\Omega - 0'',08773\,\mathrm{Cos}\,2\Omega + 0'',5799\,\mathrm{Cos}\,2\odot]\,\mathrm{Tang}\,\delta\,\mathrm{Cos}\,\alpha\\ &- 20'',255\,\mathrm{Cos}\,\omega\,\mathrm{Cos}\,\odot\,.\,\mathrm{Sec}\,\delta\,\mathrm{Cos}\,\alpha\\ &- 20'',255\,\mathrm{Sin}\,\odot\,.\,\mathrm{Sec}\,\delta\,\mathrm{Sin}\,\alpha\\ &+ \tau\,.\,\mu\\ &- h\,\mathrm{Sin}\,\Omega + h'\,\mathrm{Sin}\,2\Omega - h''\,\mathrm{Sin}\,2\odot\end{aligned}$$

$$\begin{aligned}\delta' = \delta &+ [\tau - i\,\mathrm{Sin}\,\Omega + i'\,\mathrm{Sin}\,2\Omega - i''\,\mathrm{Sin}\,2\odot]\,n\,\mathrm{Cos}\,\alpha\\ &+ [8'',97707\,\mathrm{Cos}\,\Omega - 0'',08773\,\mathrm{Cos}\,2\Omega + 0'',5799\,\mathrm{Cos}\,2\odot]\,\mathrm{Sin}\,\alpha\\ &- 20'',255\,\mathrm{Cos}\,\omega\,\mathrm{Cos}\,\odot\,[\mathrm{Tang}\,\omega\,\mathrm{Cos}\,\delta - \mathrm{Sin}\,\delta\,\mathrm{Sin}\,\alpha]\\ &- 20'',255\,\mathrm{Sin}\,\odot\,.\,\mathrm{Sin}\,\delta\,\mathrm{Cos}\,\alpha\\ &+ \tau\,.\,\mu'\end{aligned}$$

Sequentibus autem adhibitis significationibus

$$\begin{aligned}A &= \tau - i\,\mathrm{Sin}\,\Omega + i'\,\mathrm{Sin}\,2\Omega - i''\,\mathrm{Sin}\,2\odot\\ B &= -8'',97707\,\mathrm{Cos}\,\Omega + 0'',08773\,\mathrm{Cos}\,2\Omega - 0'',57990\,\mathrm{Cos}\,2\odot\\ C &= -20'',255\,\mathrm{Cos}\,\omega\,\mathrm{Cos}\,\odot\\ D &= -20'',255\,\mathrm{Sin}\,\odot\\ E &= -h\,\mathrm{Sin}\,\Omega + h'\,\mathrm{Sin}\,2\Omega - h''\,\mathrm{Sin}\,2\odot\\ a &= m + n\,\mathrm{Tang}\,\delta\,\mathrm{Sin}\,\alpha\\ b &= \mathrm{Tang}\,\delta\,\mathrm{Cos}\,\alpha\\ c &= \mathrm{Sec}\,\delta\,\mathrm{Cos}\,\alpha\\ d &= \mathrm{Sec}\,\delta\,\mathrm{Sin}\,\alpha\\ a' &= n\,\mathrm{Cos}\,\alpha\\ b' &= -\mathrm{Sin}\,\alpha\\ c' &= \mathrm{Tang}\,\omega\,\mathrm{Cos}\,\delta - \mathrm{Sin}\,\delta\,\mathrm{Sin}\,\alpha\\ d' &= \mathrm{Sin}\,\delta\,\mathrm{Cos}\,\alpha\end{aligned}$$

habebimus

$$\alpha' = \alpha + Aa + Bb + Cc + Dd + \tau\mu + E$$
$$\delta' = \delta + Aa' + Bb' + Cc' + Dd' + \tau\mu'$$

ubi quantitates A, B, C, D, E, quum pendeant a tempore solo, non a stellae loco, in Tabulas, quarum Argumentum sit tempus, redigi possunt, contra quantitates a, b, c, d, a', b', c', d' a stellae tantum loco dependent, ipsaque a et a' annuae sunt, quae in catalogis stellarum inveniuntur, Praecessiones in Adscensione recta et Declinatione.

Secundum has formulas computatio apparentis stellae cujusdam loci e duabus partibus constat, quarum altera postulat logarithmos quantitatum A, B, C, D, τ et quantitatem E, quae omnibus stellis communes sunt, altera

contra logarithmos quantitatum a, b, c, d, μ; a', b', c', d' μ' a loco stellae ejusque motu proprio dependentium.

Priorem hujus computationis partem Tabula VIII pro decimo quoque die annorum 1750 usque ad 1849 incl. continet. Logarithmos ipsorum A et B amici computaverunt mihi carissimi, *Dr. a Steinheil* et *Knorre*, qui computationem pro annis 1750 usque ad annum 1800 iterabant, et *Olufsen*, qui computationem susceperat pro annis 1800 usque ad annum 1850. Quo labore haud contemnendam arbitror laudem meruisse homines de Astronomia alias optime meritos. Quod reliquum erat computationis, id ipse vocavi ad calculos.

Jam accuratius explicabo Tabulam. Quantitates i, i', i'' inveniuntur ponendo pro m et n valores [16]

1750..... $i = 0'',33308$; $i' = 0'',00401$; $i'' = 0'',02651$
1850..... $0'',33324$; $0'',00401$; $0'',02652$

et porro

1750..... $k = 0'',0645$; $k' = 0'',0008$; $k'' = 0'',0051$
1850..... $0'',0468$; $0'',0006$; $0'',0037$

Differentias tempori esse proportionales, supponere possumus. Locus Nodi Lunaris secundum *Bürgianas* Tabulas pro eo temporis momento, quo media Longitudo Solaris initio anni 1800 aequabat 280°, suppositus est = 33° 15′ 25″,9; ejusque motus retrogradus per annum tropicum = 19° 20′ 29″,53. Longitudinibus Solis, depromptis e Tabulis meis, adjeci + 20″,25 propter Aberrationem. Ita Longitudines Solares (⊙) necessarias ad computandam Tab. VIII accepi ex sequentibus formulis, in quibus m significat Mediam Longitudinem; Media vero Anomalia pro tempore $1800 + t$ posita

$$\mu = m - [279° 30′ 8″,89 + t \,.\, 61″,5171 + tt \,.\, 0″,0002037965],$$

Eccentricitate

$$e = 0{,}0167922585 - t \,.\, 0″,0000004859$$

1750.... $\odot = m + 20″,25 + 1° 55′ 37″,4889 \sin\mu + 1′ 12″,9147 \sin 2\mu + 1″,0627 \sin 3\mu + 0″,0177 \sin 4\mu$

1850.... $\odot = m + 20″,25 + 1° 55′ 18″,0710 \sin\mu + 1′ 12″,5071 \sin 2\mu + 1″,0538 \sin 3\mu + 0″,0175 \sin 4\mu$

Annus tropicus, unde dependet τ, est

pro 1750 = 365^d,242223490
pro 1850 = 365^d,242216604

Tabula his adhibitis elementis calculata logarithmos continet ipsorum A, B, C, D, τ quantitatemque E, quae quum omnibus sit Adscensionibus rectis communis, neque unquam plus quam centesimas partes minuti secundi transcendat, in pluribus casibus negligi poterit. Haec omnia in Tabula inveniuntur pro initio annorum fictorum 1750....1849, et pro iis temporis momentis, quae 10, 20, 30....370 dies sidereos sequuntur initium. Ea tempora consignavi Jan. 0,10....Dec. 36, pro annis autem intercalaribus Jan. 1,11....Dec. 36. Itaque Anno tropico, diebus expresso, significatoque

per T, quantitates, unde dependent ipsa A, B etc... pro anno $1800 + t$, adhibitis formulis

$$\tau = \frac{10n}{T+1}$$

$$\Omega = 33^\circ 15' 25'',9 - t \,.\, 19^\circ 20' 29'',53 - \frac{10n}{T+1} \,.\, 19^\circ 20' 29'',53$$

$$m = 280^\circ + \frac{10n \,.\, 360^\circ}{T+1}$$

calculatae sunt, ubi n omnes numeros integros a 0 usque ad 37 complectitur.

Ex hac Tabulae dispositione apparet, ipsam immediate valere pro $18^h\,40'$ temporis siderei ejus meridiani, pro quo Epocha mediae Longitudinis Solaris sit $= 280^\circ$. Qua si velis pro eodem tempore sidereo, sed alio meridiano uti, Argumentum erit *Dies reductus*, si velis pro alio tempore sidereo, per g designato, huic Argumento addenda erit quantitas

$$\frac{g - 18^h\,40'}{24^h}$$

quae semper positive et < 1 erit sumenda, sive addenda erit quantitas

$$g' = \frac{g + 5^h\,20'}{24^h}$$

omisso die integro, si $g + 5^h\,20' \geqq 24^h$. Quantitas illa g' in initio Tabulae (P. 16) invenitur tum pro dato tempore sidereo horis et minutis, tum gradibus expressa. Postremo indicatum volo, communem dies numerandi consuetudinem ab ea abhorrere, quae sit in Tabulis supposita. Etenim illa dies inchoat a momento Solis culminantis, haec a momento, quo culminet illud in Aequatore situm punctum, cujus sit Adscensio recta $= 280^\circ$ sive $18^h\,40'$. Ergo simul ut Adscensio recta Solaris tempus sidereum g assecuta erit, ita ut hoc illam antegrediatur, diei, secundum communem consuetudinem numerato, unus dies est adnumerandus. Quibus omnibus in unum collectis, haec prodibit Pag. 16 memorata regula ad formandum Argumentum illud, quocum ingrediendum est in Tabulam, nempe:

$$Arg. = Diei\ reducto + g' + i$$

ubi $i = 0$ *ab initio anni usque ad tempus, ubi* $A.R.\odot = g$, *postea vero* $= +1$.

Nunc varios hujus Tabulae usus adhibitis exemplis accuratius explicare in animo est.

I. Si quaeruntur $\alpha' - \alpha$ et $\delta' - \delta$ in hunc finem, ut Ephemeris stellae inveniatur pro Culminationum momentis, sive propositum est, observationum ejusdem stellae in meridiano factarum seriem ad initium anni, quo sunt institutae, reducere, erit $g = \alpha$, unde $g' + i$ regulae convenienter reperitur. Sed Tabulae VIII parum commodus usus est ad interpolandos logarithmos ipsorum A, B, inprimis ipsorum C et D, qua de caussa melius erit hanc interpolationem evitare. Hoc eo fit, si computemus $\alpha' - \alpha$ et $\delta' - \delta$ pro iis temporis momentis, pro quibus quantitates A, B etc. data sunt in Tabula;

ex qua facili interpolatione desideratam ephemerida derivare poterimus pro ipsis Culminationis momentis. Haec ego exemplo illustraturus supponam, plures Mensibus Novembri et Decembri anni 1828 Regiomonti factas in Meridiano observationes stellae α *Lyrae* simu' esse reducendas. Quoniam $\alpha = 18^h\,31'\,6'',9$, habebimus (Pag. 16) $g' = 0{,}994$ (i erit $= 0$, quia A. R. $\odot$ nondum assecuta est tempus sidereum, pro quo calculus sit instituendus); Tab. I et II diei reductionem suppeditant $= +\,0{,}067$. Itaque habebimus Tabulae Argumentum $=$ observationis diei $+\,1{,}061$. Pro stella hac, quum sit

$\alpha = 277^\circ\,46'\,44''$, $\delta = +\,38^\circ\,37'\,42''$, $\mu = +\,0'',277$, $\mu' = +\,0'',270$,

inveniemus

Log. a, b, c, d, μ	1,4796	9,0341	9,2387	0,1032n	9,4425
Log. a', b', c', d', μ'	0,4337	9,9960	9,9812	8,9268	9,4314

Quos logarithmos quum logarithmis Tabulae adjecerimus, habebimus producta singula

pro Adscensione recta

	Aa	Bb	Cc	Dd	$\tau\mu$	E	$\alpha'-\alpha$	
Oct. 27	$+\,26'',79$	$+\,0'',92$	$+\,2'',70$	$-\,14'',04$	$+\,0'',23$	$+\,0'',01$	$+\,16'',61$	$-\,3'',18$
Nov. 6	$+\,27,46$	$+\,0,94$	$+\,2,35$	$-\,17,56$	$+\,0,23$	$+\,0,01$	$+\,13,43$	$-\,2,62$
16	$+\,28,23$	$+\,0,96$	$+\,1,93$	$-\,20,56$	$+\,0,24$	$+\,0,01$	$+\,10,81$	$-\,1,97$
26	$+\,29,08$	$+\,0,99$	$+\,1,45$	$-\,22,94$	$+\,0,25$	$+\,0,01$	$+\,8,84$	$-\,1,25$
Dec. 6	$+\,30,01$	$+\,1,00$	$+\,0,92$	$-\,24,61$	$+\,0,26$	$+\,0,01$	$+\,7,59$	$-\,0,47$
16	$+\,31,00$	$+\,1,01$	$+\,0,36$	$-\,25,52$	$+\,0,26$	$+\,0,01$	$+\,7,12$	$+\,0,36$
26	$+\,32,02$	$+\,1,02$	$-\,0,21$	$-\,25,63$	$+\,0,27$	$+\,0,01$	$+\,7,48$	

pro Declinatione

	Aa'	Bb'	Cc'	Dd'	$\tau\mu'$	$\delta'-\delta$	
Oct. 27	$+\,2'',41$	$+\,8'',40$	$+\,14'',90$	$+\,0'',94$	$+\,0'',22$	$+\,26'',87$	$-\,1'',39$
Nov. 6	$+\,2,47$	$+\,8,62$	$+\,12,99$	$+\,1,17$	$+\,0,23$	$+\,25,48$	$-\,1,82$
16	$+\,2,54$	$+\,8,84$	$+\,10,67$	$+\,1,37$	$+\,0,24$	$+\,23,66$	$-\,2,22$
26	$+\,2,62$	$+\,9,04$	$+\,8,01$	$+\,1,53$	$+\,0,24$	$+\,21,44$	$-\,2,55$
Dec. 6	$+\,2,70$	$+\,9,20$	$+\,5,10$	$+\,1,64$	$+\,0,25$	$+\,18,89$	$-\,2,83$
16	$+\,2,79$	$+\,9,30$	$+\,2,01$	$+\,1,70$	$+\,0,26$	$+\,16,06$	$-\,3,01$
26	$+\,2,88$	$+\,9,33$	$-\,1,14$	$+\,1,71$	$+\,0,27$	$+\,13,05$	

Ex his valoribus ipsorum $\alpha'-\alpha$ et $\delta'-\delta$ valores pro diebus observationum interpolandi sunt, diebus, ut supra inventum est, addendo quantitatem $+\,1{,}061$, sive quod idem est, numeri computati non pro diebus adscriptis valent, sed pro his $-\,1{,}061$. Igitur facillime res expedietur, supponendo, eos pro proximo die integro valere, eorumque variationem addendo pro fractione diei. Itaque in hoc nostro exemplo valores inventi quantitatum $\alpha'-\alpha$

et $\delta' - \delta$, addita variatione per + 0,061 dies, valent pro Oct. 26, Nov. 5, 15 etc., atqui haec variatio sine sensibili errore invenietur, multiplicando fractionem diei per vigesimam partem summae differentiae antecedentis et insequentis. Hoc modo Ephemeris pro Culminationibus α *Lyrae* in Meridiano Regiomontano invenitur:

1828	A. R.		Decl.	
Oct. 26	+ 16″,59		+ 26″,86	
Nov. 5	+ 13,41	− 3,18	+ 25,47	− 1″,39
15	+ 10,80	− 2,61	+ 23,65	− 1,82
25	+ 8,83	− 1,97	+ 21,43	− 2,22
Dec. 5	+ 7,58	− 1,25	+ 18,87	− 2,56
15	+ 7,12	− 0,46	+ 16,04	− 2,83
25	+ 7,48	+ 0,36	+ 13,03	− 3,01

II. Si plures singulae stellae observationes reducendae sunt ad initium anni, e. g. ad Epocham catologi stellarum componendi, neque quod ex unaquaque observatione separatim prodeat, sed medium illud, quod ex observationibus universis manet, sciscitamur, commodissime res tractari poterit, adhibitis quantitatibus ipsis A, B, C, D, τ, non eorum logarithmis. Quo in casu Tabulae VIII usus erit ad condendam Tabulam non-logarithmicam, mutandam in hoc, ut A et τ non ad initium cujusque anni, sed ad Epocham T, ad quam reducendae sint observationes, referantur. Quod fieri potest valoribus Tabula contentis ipsorum A et τ pro quoque anno, addendo numerum integrum $t - T$, t significante annum observationis. Tabula non-logarithmica commode poterit interpolari, quod vel commodius fieri potest adhibendo valores quantitatum C et D pro unoquoque die, datos per Tab. IX. Unicuique igitur loco apparenti observato valores adscribemus quantitatum A, B, C, D, τ, E, reductionemque habebimus medii arithmetici, ex omnibus observationibus collecti, quum producta addiderimus coefficientium a, b etc. et mediorum arithmeticorum ex omnibus valoribus quantitatum A, B etc., sumptis signis inversis.

III. Si unicus stellae locus apparens separatim est calculandus, etiam hoc poterit satis commode fieri ope hujus nostrae Tabulae, duabus quidem rationibus, quarum altera nullam aliam praeparationem postulat, altera commodior est, quum necessariam jam adhibuerimus praeparationem. Methodus prior interpolationem supponit Logarithmorum ipsorum A et B in Tabula VIII, sed quia logarithmi ipsorum C et D in eadem Tabula non satis uniformiter crescunt, qui commode interpolari possint, Tabulam IX adjeci, quae hos logarithmos continet pro unoquoque die non solum pro 1750 sed etiam pro 1850. Hoc modo quum variatio saecularis innotuerit, verus valor inveniri poterit pro intermediis annis. Sed in hoc illud notandum est, in logarithmis

ibi tantum esse interpolandum, ubi quantitates, ad quas pertinent, signum algebraicum non mutent, interpolationem vero in vicinia transitum ab uno ad alterum signum magna laborare incommoditate. Hinc sequitur, usum hujus methodi in quibusdam casibus hoc poscere, ut inter ipsos numeros, ad quos logarithmi pertinent, interpoletur. Exemplo utar computatione $\alpha' - \alpha$ et $\delta' - \delta$ pro Culminatione stellae α *Lyrae* die 26. Octob. 1828 pro meridiano Regiomontano:

Dies datus	1828 Octob. 26
Reductio diei	+ 0,067
Dies reductus	1828 Octob. 26,067
$g = 18^h\,31',1$ ..... $g' =$	+ 0,994
s	0,
Argumentum Tabulae	1828 Octob. 27,061

Huic Argumento respondent in Tabb. VIII et IX Log A, B, C, D, τ ..... 9,9485; 0,9283; 1,1917; 1,0448; 9,9135, quorum ope, adhibitis valoribus coefficientium a, b, etc. supra datis, inveniuntur:

$Aa =$	+ 26,80	$Aa' =$	+ 2,41
$Bb =$	+ 0,92	$Bb' =$	+ 8,40
$Cc =$	+ 2,69	$Cc' =$	+ 14,89
$Dd =$	− 14,06	$Dd' =$	+ 0,94
$\tau\mu =$	+ 0,23	$\tau\mu' =$	+ 0,22
$E =$	+ 0,01		
$\alpha' - \alpha =$	+ 16,59	$\delta' - \delta =$	+ 26,86

Si haec ratio Tabulas VIII et IX adhibendi in usum vocatur, commodius erit, Cc' calculare ex duabus iisque separatis partibus $C\,\mathrm{Tang}\,\omega\,\mathrm{Cos}\,\delta - C\,\mathrm{Sin}\,\delta\,\mathrm{Sin}\,\alpha$, quam quantitatem c' quaerere ex formula e duobus terminis composita.

Altera methodus Tabulae mutationem desiderat. Quoniam habemus:

$$\alpha' - \alpha = Am + [An\,\mathrm{Sin}\,\alpha + B\,\mathrm{Cos}\,\alpha]\,\mathrm{Tang}\,\delta + [C\,\mathrm{Cos}\,\alpha + D\,\mathrm{Sin}\,\alpha]\,\mathrm{Sec}\,\delta + \tau\mu + E$$

$$\delta' - \delta = An\,\mathrm{Cos}\,\alpha - B\,\mathrm{Sin}\,\alpha + [-C\,\mathrm{Sin}\,\alpha + D\,\mathrm{Cos}\,\alpha]\,\mathrm{Sin}\,\delta + C\,\mathrm{Tang}\,\omega\,\mathrm{Cos}\,\delta + \tau\mu'$$

formulae, ponendo

$$g\,\mathrm{Cos}\,G = An \qquad h\,\mathrm{Cos}\,H = D$$
$$g\,\mathrm{Sin}\,G = B \qquad h\,\mathrm{Sin}\,H = C$$

hanc formam induunt:

$$\alpha' - \alpha = Am + E + g\,\mathrm{Sin}\,(G+\alpha)\,\mathrm{Tang}\,\delta + h\,\mathrm{Sin}\,(H+\alpha)\,\mathrm{Sec}\,\delta + \tau\mu$$
$$\delta' - \delta = g\,\mathrm{Cos}\,(G+\alpha) + h\,\mathrm{Cos}\,(H+\alpha)\,\mathrm{Sin}\,\delta + C\,\mathrm{Tang}\,\omega\,\mathrm{Cos}\,\delta + \tau\mu'$$

Quum quantitates

$$Am + E;\ \mathrm{Log}\,g;\ G;\ \mathrm{Log}\,h;\ H;\ C\,\mathrm{Tang}\,\omega;\ \mathrm{Log}\,\tau$$

quae a stellarum locis non dependent, in Tabulam redegerimus, cujus sit Argumentum idem, quod jam in Tab. VIII est usurpatum, locum stellae separatim quaesitum facillime computare poterimus, quia omnes hae quantitates facile possunt interpolari. Quam Tabulae VIII immutationem anno 1822 *) quum commendavissem, Cel. *Enckius* in Ephemeridibus suis nunquam satis laudandis Tabulam dedit, quae tamen in hoc abhorret ab illa, quae hic explicata est, quod non tempori sidereo sed medio tempori est accomodata. Quae dispositio, etiamsi singulus tantum stellae locus computandus est, meo judicio non commodior est quam altera, quam in aliis casibus veram Tabularum reductionibus inservientium perfectionem duco, quoniam, labore non aucto, reductionem suppeditat pro ipsis Culminationum momentis. Optandum est, fore ut Ephemerides in posterum semper similem contineant Tabulam. Primo ejusmodi Tabulas pro saeculo ab anno 1750 usque ad annum 1850 huic operi annectere mihi in animo erat, sed, ne volumen nimis crescat, praetuli, annuis illas Ephemeridibus relinquere.

Quo facilior redderetur usus Tabulae VIII, logarithmos ipsorum a, b, c, d; a', b', c', d', et si forte cito variantur, annuas quoque variationes pro 500 stellis lucidis computavit Celeb. *Schumacherus* noster **); *Franciscus Baily* eosdem dedit pro anno 1830 pro stellis 2881 ***). Ejusmodi logarithmos hic non adjeci, primum, quia illos possidemus pro numero stellarum haud exiguo, deinde, quia pro stella, cujus locus semel tantum usurpatur, commodius est, immutationem Tabulae VIII explicatam, hos logarithmos non supponentem adhibere, postremo, quia parvi illos calculandi laboris hoc est praemium, ut, si pro ipso reducendarum observationum tempore quaeruntur, majori gaudeant praecisione, quam si depromuntur e catalogo, qui pro alio tempore illos praebeat. Ceterum pro stellis fundamentalibus horum logarithmorum esset frequens usus, sed pro his peculiares sunt in hoc libro compositae Tabulae, longe commodiores; pro stellis vero in specula Grenovicensi saepius observatis in hunc finem, ut error inde collimationis Quadrantis concluderetur, ipsos infra pro decimo quoque anno proferam.

Tabula X.

Adscensiones rectae et Declinationes mediae et apparentes Stellarum 36 ***fundamentalium atque α et δ Ursae minoris, ab anno*** 1750 ***usque ad annum*** 1850 ***computatae.***

Pervulgatum est, *Maskelynium* 36 stellas inerrantes elegisse, quarum loca sola adhiberet ad comparationem cum reliquis sideribus, eamque ob

*) *Schumacher*, Astronomische Nachrichten. Nr. 18.
**) Astronomische Hülfstafeln für 1822. Hafniae.
***) *Francis Baily*, New tables for facilitating the computation of Praecession, Aberration and Nutation. Londini, 1827.

caussam nomen illis indidisse stellarum *fundamentalium*. Quae quum hac de caussa, tum per longum temporis spatium, quod ipsae *Maskelynii* observationes complectuntur, tum serius ab aliis Astronomis frequentissime sint observatae, prae ceteris stellis accuratam subtilemque desiderant et situs et motus determinationem.

Harum stellarum loca *relativa* inde a *Bradleji* temporibus si tam accurate definita esse supponimus, quam fieri potuit observationibus per hoc temporis intervallum institutis, jam omnes Adscensiones rectas et Declinationes, quae determinatae sint comparatione facta cum illis, quasi unico fundamento niti statuere possumus, nostramque motuum corporum coelestium cognitionem augebimus et confirmabimus, si omnis nostra eaque indefessa cura versabitur in hoc, ut illud unicum fundamentum, i. e. *absolutas* Adscensiones rectas et Declinationes illarum 36 stellarum, in dies accuratius cognoscamus. Longa experientia mihi ipsi *Maskelynii* confirmavit opinionem, numerum stellarum, quas dicimus, sufficere in specula bene instructa, ut observationibus ope instrumentorum meridianorum institutis necessariam semper copiam punctorum, quibuscum illae comparari possint, largiri possimus. Sed quia necesse est ad situm instrumenti rectificandum, 36 illas stellas cum stellis polo propinquis conjungere, in specula Grenovicensi a *Bradleji* temporibus continuae factae sunt observationes circa stellam α Ursae minoris, ejusdemque speculae exemplum aliae speculae secutae sunt. Postquam specula Regiomontana anno 1820 praeclarissimo Circulo Meridiano instructa erat, secundam stellam polarem, nempe δ Ursae minoris, ope hujus instrumenti unoquoque diei tempore visibilem, adjeci in hunc finem, ut iis quoque temporibus, quibus una alterave prioris stellae Culminatio in nocturnas easque incommodas horas inciderit, correctio instrumenti facilis possit et completa fieri, i. e. per contrarias Culminationes. Has 38 stellas plane sufficere puto usui speculae, cujus sit completa ad observationes meridianas suppellex, neque, si huic numero novae stellae additae fuerint, ullam arbitror fore e numero aucto utilitatem, quae incommodum hujus mutationis *Catalogi fundamentalis* compensare possit. Speculae, in quibus instrumenta meridiana non satis firma gaudent collocatione, aut in quibus observationes instituuntur extra meridianum, numerosiore indigent Catalogo stellarum.

Tabulas illarum 36 stellarum *fundamentalium* nec non utriusque stellae *polaris* hoc libro contentas ita comparatas esse volui, ut stellarum, quas dicimus, apparentes Adscensiones rectas et Declinationes pro quoque tempore intra annos 1750 et 1850 sumpto summa qua fieri possit facilitate, ex iisdem semper elementis petitas suppeditent. Hae Tabulae in quinque Sectiones divisae sunt pro Annis 1750 — 1770, 1770 — 1790, 1790 — 1810, 1810 — 1830, 1830 — 1850; quum omnes 5 Sectiones loca contineant illarum 36 stellarum et stellae α Ursae minoris, quarta et quinta Sectio loca quoque habet stellae δ Ursae minoris, hujus stellae loca tribus illis prioribus Sectionibus haud adjeci, quia stella illa demum ab anno 1820 stellae polaris vice fungi coepit.

Harum Tabularum Argumentum *Dies reductus* est, qui aut immediate aut additis die integro aut duobus diebus integris (ut pro unaquaque stella in Tabulis exponitur) apparentia stellarum loca pro momentis superiorum Culminationum subministrat. Pro omnibus 36 stellis fundamentalibus sinistra pagina libri pro initio annorum et pro temporibus, quae intervallo 100, 200, 300, 400 dierum sidereorum subsequuntur, summam continet et medii loci pro initio annorum et partium earum Nutationis, quae a Longitudine nodi Lunaris dependent; dextra vero pagina pro decimo quoque die sidereo summam continet et medii motus numerati ab initio anni et Aberrationis et Nutationis Solaris, porro medium pro quoque anno locum, qui in computandis Tabulis adhibitus est. Tabula, quae est in dextra pagina, pro medio cujusque Sectionis anno, nempe anno 1760, 1780, 1800, 1820, 1840, computata est, sed in duabus ultimis columnis continet variationes, quas per decem annos quantitates prioribus columnis contentae patiuntur; numeri autem harum ultimarum columnarum pro Adscensione recta millesimae sunt temporalis secundi partes, pro Declinatione centesimae secundi arcualis partes.

In construendis his Tabulis multum mihi auxilium attulerunt Clar. *Albert*, *Anger* et *Busch*. *Anger* Nutationem Lunarem pro initio et 200mo die sidereo annorum calculavit pro Adscensione recta, idem computavit *Buschius* pro Declinatione, reliqua inde interpolatione derivavi. Cl. *Albert* Tabulam in dextra pagina pro Adscensione recta non solum pro 1750 sed etiam pro 1850 computavit, idem una cum Cl. *Buschio* Tabulam condidit pro Declinatione, ex quo Tabulas pro mediis annis quinque illarum Sectionum et variationes, quas per decem annos patiuntur, conclusi. Quum in omnibus his calculis una plus quam Tabulis contineatur nota decimalis adhibita sit, addita praeterea apta calculi comprobatione, in hanc spem sum adductus, ut certitudo ultimae in Tabulis retentae decimalis ubique usque ad unam unitatem possit confirmari.

Simili modo Tabulae utriusque stellae polaris dispositae sunt. Sed in his Tabulis ea membra, quae a quadratis productisque Aberrationis et Nutationis dependent, quum limitem assecutae essent, ad quam approximatio Tabularum accedit, non neglecta sunt, nec minus non omissa est Nutatio a duplici Longitudine Lunari dependens. In his quoque Tabulis calculandis adjutus sum ab *Angero* meo, qui pro stella α Ursae minoris Tabulas inaequalitatis annuae pro annis 1760, 1780, 1800, 1820, 1840 computavit. Nunc de Tabularum Analysi accuratius exponam, earumque usum exemplis illustrabo.

1. *De stellis fundamentalibus.*

Pro 36 stellis fundamentalibus media illa loca pro 1755 posita sunt, quae ex *Bradleji* observationibus computavi *), Adscensiones rectae autem pro 1825

*) Fundamenta Astronomiae pro Anno 1755. Sect. X.

e secundo Regiomontano Catalogo fundamentali, Declinationes vero pro 1820 e determinatione Regiomontana sumptae sunt. *)

His locis positis, adhibitaque formula [20] supra data, Adscensionem rectam pro anno $1750+t$ habebimus

$$= \alpha + (\alpha' - \alpha)\frac{t-5}{70} + \Delta p \frac{t-5 \,.\, t-75}{2}$$

Declinationem vero

$$= \delta + (\delta' - \delta)\frac{t-5}{65} + \Delta p \frac{t-5 \,.\, t-70}{2}$$

ubi Δp significat annuam annuarum Praecessionum variationem. Quae loca subsint, hic proferre haud necessiarum duco, quoniam eadem sunt, quae in Catalogo mediorum locorum pro initio cujusque anni juxta Tabulas reperiuntur, sed valores indicabo quantitatis Δp, ut omnia hic in unum locum collata reperiantur, quae necessaria sint ad Tabulas examinandas.

		A. R. in temp.	Decl.
γ	*Pegasi*	$+0^{s}{,}000097$	$-0''{,}00013$
α	*Arietis*	$+0{,}000201$	$-0{,}00240$
α	*Ceti*	$+0{,}000097$	$-0{,}00316$
α	*Tauri*	$+0{,}000109$	$-0{,}00458$
α	*Aurigae*	$+0{,}000184$	$-0{,}00622$
β	*Orionis*	$+0{,}000043$	$-0{,}00411$
β	*Tauri*	$+0{,}000089$	$-0{,}00540$
α	*Orionis*	$+0{,}000031$	$-0{,}00473$
α	*Canis majoris*	$+0{,}000004$	$-0{,}00380$
α	*Geminorum*	$-0{,}000125$	$-0{,}00527$
α	*Canis minoris*	$-0{,}000044$	$-0{,}00422$
β	*Geminorum*	$-0{,}000122$	$-0{,}00491$
α	*Hydrae*	$-0{,}000015$	$-0{,}00273$
α	*Leonis*	$-0{,}000102$	$-0{,}00233$
β	*Leonis*	$-0{,}000077$	$-0{,}00036$
β	*Virginis*	$-0{,}000006$	$-0{,}00033$
α	*Virginis*	$+0{,}000112$	$+0{,}00153$
α	*Bootis*	$+0{,}000012$	$+0{,}00216$
1α	*Librae*	$+0{,}000156$	$+0{,}00311$
2α	*Librae*	$+0{,}000155$	$+0{,}00313$
α	*Coronae*	$+0{,}000024$	$+0{,}00296$
α	*Serpentis*	$+0{,}000063$	$+0{,}00349$
α	*Scorpii*	$+0{,}000157$	$+0{,}00484$
α	*Herculis*	$+0{,}000037$	$+0{,}00387$
α	*Ophiuchi*	$+0{,}000035$	$+0{,}00400$

*) Astronomische Beobachtungen auf der Königsberger Universitäts-Sternwarte. VII. Abtheilung.

α	*Lyrae*	+ 0,000016	+ 0,00291
γ	*Aquilae*	− 0,000008	+ 0,00376
α	*Aquilae*	− 0,000014	+ 0,00384
β	*Aquilae*	− 0,000015	+ 0,00369
1α	*Capricorni*	− 0,000081	+ 0,00411
2α	*Capricorni*	− 0,000081	+ 0,00411
α	*Cygni*	+ 0,000024	+ 0,00227
α	*Aquarii*	− 0,000043	+ 0,00227
α	*Piscis austrini*	− 0,000217	+ 0,00149
α	*Pegasi*	+ 0,000053	+ 0,00116
α	*Andromedae*	+ 0,000177	− 0,00004

Sunt in his 36 stellis 3 stellae duplices, nempe β *Orionis*, α *Geminorum* et α *Herculis*. Quum prima et ultima e duabus constent stellis valde disparibus lumine, data harum stellarum loca ad lucidiorem pertinent, stella vero α *Geminorum* e duabus stellis non admodum inter se diversis composita est; quae quum in Tubis minoris facultatis opticae non disjunctae cernantur, observatae sunt a *Bradlejo*, quasi unica stella esset. Quam ob caussam ponendum est, locum pro 1755 dimidiatae distantiae utriusque stellae respondere. Adscensio recta, quam dedi pro 1825, medium est Adscensionum rectarum utriusque stellae; Declinatio quidem pro 1820 lucidiori stellae insequenti respondet, sed quum haec stella tunc temporis non decima minuti secundi parte propius accederet ad septemtriones, quam dimidiata distantia utriusque stellae, etiam hanc determinationem ad idem punctum pertinere licet supponere, quare omnia in Tabula data loca huic puncto respondent.

Formulae Nutationis et Aberrationis, quae in usum vocatae sunt pro stellis fundamentalibus, eae sunt, quae initio explicationis Tabulae VIII et IX memoratae sunt. Longitudines Nodi Lunaris et Solis, quibus numeri, qui Tabula continentur, computati sunt, non pro initio dierum 0, 10, 20.... anni ficti positae sunt, sed pro

$$0 + \frac{\alpha - 18^h\,40'}{24^h}; \quad 10 + \frac{\alpha - 18^h\,40'}{24^h}; \text{ etc.}$$

quo efficitur, ut numeri Tabulae in anno ficto valeant pro momentis superiorum Culminationum, atque *dies reductus*, sine respectu Adscensionum rectarum stellarum, Tabulae fiat Argumentum illud, quod omnibus sit stellis commune. Sed quia in hac dispositione dies tabularis signatus per Jan. 0 (annis vero bissextis per Jan. 1) is dies sidereus erit, cujus tempore $18^h\,40'$ annus communi consuetudine i. e. a meridie numeratus incipit, perspicuum est, earum stellarum, quarum sit Adscensio recta minor quam $18^h\,40'$, culminationem in Tabula per 0 signatam non die initiali anni sed praecedente fieri, ex quo fieri potest, diei a meridie numerato unum esse diem addendum, priusquam cum ipso ingrediendum sit in Tabulam; pro stellis autem, quarum Adscensio recta sit $\gtrless 18^h\,40'$, illud, quod modo diximus, locum non habet. Quod

praeceptum tam diu observatur, donec crescens Solis Adscensio recta Adscensionem stellae transgredi coepit, quo fit, ut culminatio stellae Solis culminationem antegrediatur, ergo consueta dies numerandi ratio a tabulari ratione numerandi uno die recedat. Quibus omnibus in unum collectis haec evadet regula ad formandum Argumentum, quocum ingrediendum sit in Tabulam, ut pro dato die inveniri possit stellae locus apparens, qui superiori ejus Culminationi respondeat:

$$\textit{Arg.} = \textit{Diei reducto} + i$$

ubi i significat

α) pro stella, cujus $AR. \gtrsim 18^h 40'$,
0 ... ab initio anni usque ad tempus ubi $AR\odot =$ $AR.$ stellae, postea vero + 1.

β) pro stella, cujus $AR. < 18^h 40'$,
+ 1 ... ab initio anni usque ad tempus ubi $AR\odot =$ $AR.$ stellae, postea vero + 2.

Dies, quo Sol Adscensionem rectam cujusque illarum 36 stellarum assequatur, valorque ipsius i ante et post hunc diem in quaque pagina dextra libri secundum hanc regulam memoratur.

Tabulae, quae in dextra pagina invenitur, quaeque summam continet et motus medii, ab anni initio numerati, et Aberrationis et Nutationis Solaris pro decimo quoque die non ad communem consuetudinem differentiae sunt adscriptae, sed vigesima pars summae differentiarum antecedentis et sequentis, quae quasi diurna variatio pro eo tempore, quod in eadem linea reperitur, poterit considerari. Schema Tabulae igitur hoc erit:

Dies	Numerus	Variat. diurna
m	a	b
$m' = m + 10$	a'	b'
$m'' = m' + 10$	a''	b''
$m''' = m'' + 10$	a'''	b'''
etc.	etc.	etc.

Si numerus quaeritur y, qui ad diem $m + x$ pertineat, habebimus, neglectis differentiis secundam transcendentibus,

$$y = a + xb + xx.\frac{b' - b}{20}$$

Sed quoniam quantitas $b' - b$ nunquam major reperitur 6,3 unitatibus ultimae notae decimalis Tabulae, sequitur, membrum ultimum, quum nunquam, si $x \gtrsim \frac{1}{4}$, decimam talis unitatis partem assequatur, in hoc casu posse negligi. Ex quo commodissima prodit ratio Tabulam adhibendi ad condendam Ephemerida. Si i' erit numerus integer, sive major sive minor Reductione diei $+ i$, sed non ultra $\frac{1}{4}$ distans, numeri, qui Tabula continentur, additis insuper productis bx, ubi $x = \textit{Reductioni diei} + i - i'$, pro diebus valent, qui intervallo i' dierum eos, qui sunt in Tabula, antegrediuntur.

Exemplum I. Quaeruntur apparentes Adscensiones rectae stellae *α Lyrae* pro superioribus Culminationibus Regiomonti inde a die 27. Octob. 1828 usque ad finem anni.

Reductio diei ..... $+0,067$; ..... $+0,067$
i ante Decbr. 28 ..... $+1$; postea $+2$
Summa ..... $+1,067$; ..... $+2,067$
$x = +0,067$; $i' \ldots\ldots +1$; ..... $+2$

E Tabula pro *α Lyrae* in Sect. IV. invenitur:

			Var. 8 ann.	bx		
Oct. 27	$18^h\,31'\,7,''172$	$+0,''854$	$+0,''002$	$-0,''001$	Oct. 26	$18^h\,31'\,8,''027$
Nov. 6	7,166	$+0,649$	$+0,002$	$-0,001$	Nov. 5	7,816
16	7,160	$+0,480$	$+0,002$	$-0,001$	15	7,641
26	7,154	$+0,355$	$+0,001$	$-0,001$	25	7,509
Dec. 6	7,148	$+0,279$	$+0,001$	0,000	Dec. 5	7,428
16	7,142	$+0,254$	$+0,001$	0,000	15	7,397
26	7,136	$+0,283$	0,000	0,000	25	7,419
36	7,130	$+0,365$	0,000	$+0,001$	34	7,496

Exemplum II. Quaeritur, quanta horologii correctio ex sequentibus in specula Regiomontana die 19. Jul. 1826 observatis culminationibus prodeat:

α Tauri ..... $4^h\,25'\,55,''93$
α Aurigae ..... $5\;\;3\;28,59$
β Orionis ..... $5\;\;5\;47,44$
β Tauri ..... $5\;14\;55,25$
α Orionis ..... $5\;45\;22,16$

Reductio diei est $= -0,449$, $i = +2$, Argumentum erit Jul. 20,551, quocum e Tabula invenitur:

				A. R. appar.	Corr. horol.
α Tauri	$4^h\,25'\,57,''730$	$+1,''044$	$-0,001$	$4^h\,25'\,58,''773$	$+24,''84$
α Aurigae ...	$5\;\;3\;52,298$	$+1,045$	$-0,002$	$5\;\;3\;53,341$	$+24,75$
β Orionis....	$5\;\;6\;11,541$	$+0,590$	$-0,001$	$5\;\;6\;12,130$	$+24,69$
β Tauri.....	$5\;15\;19,050$	$+0,944$	$-0,001$	$5\;15\;19,993$	$+24,74$
α Orionis....	$5\;45\;46,158$	$+0,677$	$-0,001$	$5\;45\;46,834$	$+24,67$
				Medium. $5^h\,7'$ temp. horologici	$+24,''738$

Superfluum videtur, similia pro Declinatione afferre exempla.

2. *α Ursae minoris.*

Medium hujus stellae locum pro 1755 secundum *Bradleji* observationes *) hunc esse supposui

*) Fundamenta Astronomiae pro Anno 1755. P. 225 et P. 142.

$\alpha = 10^{\circ}\,55'\,44'',955$; $\delta = 87^{\circ}\,59'\,41'',12$

medium vero ejusdem stellae locum pro 1820 secundum observationes in specula Regiomontana institutas hunc

$\alpha' = 14^{\circ}\,15'\,22'',575$; $\delta' = 88^{\circ}\,20'\,54'',27$

Primo loco secundum formulas supra datas [13] ad annum 1820 reducto, invenientur

$\alpha' = 14^{\circ}\,13'\,54'',709$; $\delta' = 88^{\circ}\,20'\,54'',052$

ex quo proprius motus per 65 annos confectus, ad stellae locum pro anno 1820 relatus reperietur

in *AR.* $= +87'',872$; in Decl. $= +0'',218$

sive annuus

in *AR.* $= +1'',351877$; in Decl. $= +0'',0033538$

His usus sum quantitatibus, ut ope finitarum formularum, quas supra tradidi, media loca pro decimo quoque anno computarem, ex quo interpolando eos, quos Tabula exhibet, inveni valores.

Hujus stellae nunc inde a 15 annis in specula Regiomontana continuae sunt factae observationes. In quibus ab anno 1814 usque ad annum 1819 incl. usus sum Tubo meridiano a *Dollondio* fabricato, ab anno autem 1820 usque ad hodiernum diem Circulo meridiano confecto a *Reichenbachio* et *Ertellio*. Ex quibus observationibus, pro quoque anno separatim reductis, ea loca media accepi, quae hic proferam, additis insuper differentiis, quibus a Tabula distent:

	A. R. med. temp. expr.	Decl. med.	Differentiae Tabulae A. R.	Differentiae Tabulae Decl.
	h ′ ″	° ′ ″	″	″
1814	0 55 34,870	———	+ 0,66	———
1815	55 48,972	———	+ 0,68	———
1816	56 3,451	———	+ 0,41	———
1817	56 17,825	———	+ 0,32	———
1818	56 32,282	———	+ 0,23	———
1819	56 46,678	———	+ 0,29	———
1820	57 1,583	88 20 54,43	− 0,08	− 0,16
1821	57 16,110	21 13,52	+ 0,02	+ 0,19
1822	57 31,092	21 33,28	− 0,26	− 0,13
1823	57 46,833	21 52,40	− 1,20	+ 0,18
1824	58 1,632	22 11,85	− 1,12	+ 0,15
1825	58 15,470	22 31,26	+ 0,02	+ 0,16
1826	58 31,248	22 50,64	− 0,70	+ 0,19
1827	58 46,066	23 10,10	− 0,86	+ 0,14
1828	59 2,258	23 29,43	− 1,31	+ 0,21

In hoc observandum esse duco, Adscensiones rectas minus inter se congruere, quam postulare videantur frequentes observationes praeclarissimo ad-

hibito instrumento, diligentissime collocato. Etiam illud notandum, observationes vernales et aestivas semper Adscensiones rectas exhibere 3″ temp. fere majores quam autumnales et hiemales, quod, quum et in vetustiore et in recentiore instrumento locum habeat, minuendam esse Aberrationem indicaret, nisi ex Adscensionum rectarum observationibus, ut jam supra monui, incerta semper esset Aberrationis determinatio.

Tabula pro hac stella comparata plane similis est illi, quam pro 36 illis stellis fundamentalibus explicavi, sed amplitudine est paullo major, quod propter propiorem stellae situm ad polum nonnulla membra, quae a quadratis productisque Aberrationis et Nutationis proficiscuntur, jam alicujus momenti sunt, et quod proposito convenit eas partes Nutationis, quae a duplici Longitudine Lunari dependent, non negligere. Quare Tabula pro summa et medii loci pro initio anni et Nutationis, Argumenta quoque ⊙ + ☊ et ☽ continet, expressa millesimis peripheriae partibus et respondentia iisdem temporis momentis, quibus ceterae columnae Tabulae respondent. Duae insequentes Tabellae perturbationes continent Adscensionis rectae et Declinationis ab his Argumentis dependentes. Caeterum secunda Tabula, nempe illa, qua *annuae* continentur correctiones, non pro stellae loco, qui est initio annorum 1760, 1780, 1800, 1820, 1840, sed pro eo, qui unicuique diei illa contento respondeat, computata est. Quam ob caussam annua variatio primae et tertiae columnae, quae est in ejus secunda et quarta columna, per *integrum* semper annorum numerum inter epocham Tabulae et eum numerum anni, pro quo calculus instituendus, est multiplicanda.

Exemplum. Quaeritur stellae locus pro inferiore Culminatione die 20. Julii 1826 in meridiano Regiomontano.

Dies reductus ..... 1826 Jul. 19,551
i ..... + 1,500

Argumentum Tabulae ..... 1826 Jul. 21,051

			⊙ + ☊	☽
Tab. prima suppeditat	0h 58′ 45″,21	88° 22′ 55″,35	471	484
— secunda pro 1820	+17,89	— 8,39	522	375
— — Var. pro 6 annis	+ 0,19	— 0,04	993	859
⊙ + ☊ = 993	— 0,03	—		
☽ = 859	+ 0,09	+ 0,07		
Locus apparens	0 59 3,35	88 22 46,99		

3. δ *Ursae minoris.*

Praeter medium locum pro anno 1755, deductum ex observationibus *Bradlejanis*, nempe

$\alpha = 282° 39′ 4″,4$; $\delta = 86° 30′ 51″,5$

locum pro anno 1824 derivatum ex observationibus Regiomontanis, nempe

$$\alpha' = 277^\circ 15' 41'',61; \quad \delta' = 86^\circ 34' 52'',04$$

Tabulae subesse volui. Locus ultimus reductus ad annum 1755 suppeditat

$$\alpha = 282^\circ 39' 35'',58; \quad \delta = 86^\circ 30' 52'',267$$

unde concluditur, proprium per 69 annorum intervallum motum, ad locum anni 1755 relatum, esse

$$+ 31'',18 \text{ et } + 0'',767$$

sive annuum motum proprium

$$+ 0'',451884 \text{ et } + 0'',011116.$$

His adhibitis elementis Tabula eodem modo ut pro stella α *Ursae minoris* secundum finitas formulas computata est.

Circa hanc stellam per 9 annos in specula Regiomontana continuae institutae sunt observationes, ex quibus media loca pro annis 1820 usque ad annum 1828 ea accepi, quae hic proferam, additis differentiis, quibus Tabula P. 521 inserta ab illis discrepet.

	A. R. med. temp. expr.	Decl. med.	Differentiae Tabulae A. R.	Differentiae Tabulae Decl.
	h ′ ″	° ′ ″	″	″
1820	18 30 18,981	86 34 41,65	+ 0,14	− 0,03
1821	30 0,007	34 44,34	+ 0,04	− 0,07
1822	29 41,095	34 46,67	− 0,13	+ 0,22
1823	29 22,138	34 49,23	− 0,26	+ 0,24
1824	29 2,938	34 52,04	− 0,19	0,00
1825	28 43,363	34 54,85	+ 0,30	− 0,27
1826	28 24,264	34 57,31	+ 0,29	− 0,23
1827	28 5,674	34 59,12	− 0,25	+ 0,44
1828	27 46,254	35 2,55	+ 0,04	− 0,53

Observationes Adscensionum rectarum hujus stellae minores praebent differentias, quam expectari potuit pro experientia in stella α Ursae minoris facta, quod non modo valet de ipsis Adscensionum rectarum differentiis, verum etiam de productis earum in Cosinum Declinationis. Quum Tabula sit illi, quam pro stella α *Ursae minoris* dedi, plane similis, neque ulla alia re discrepet ab illa, quam correctione, ab Argumento $\odot + \Omega$ dependente, quam hic propter exiguum valorem negleximus, nihil attinet, Tabulam exemplo illustrare.

Tabula XI.

Declinationes stellarum in specula Grenovicensi saepe observatarum.

Stellae, quas dicimus, sunt: k, η, μ, ν, γ, ε, ζ Geminorum et γ Draconis, quae jam a *Flamsteedio* frequenter observatae sunt, ut inde Quadran-

tis error collimationis deduci posset. Quem morem jure retinuerunt ***Bradlejus*** et ***Maskelynius***. Quo facilior in his stellis redderetur apparentium Declinationum computatio, medias in hac Tabula dedi Declinationes pro decimo quoque anno ab anno 1750 usque ad annum 1850, earumque annuas variationes, quibus ad initium cujusque anni reduci poterunt. Praeterea logarithmos addidi numerorum constantium, qui in usu Tabulae VIII adhibentur, nempe logarithmos ipsorum a', b', c', d', μ'.

Medias septem illarum Geminorum stellarum Declinationes pro anno 1755 tales esse accepi, quales e ***Bradleji*** observationibus, pro 1820 vero, quales ex observationibus Regiomontanis *) conclusi:

	1755	1820
h Geminorum	+ 23° 15′ 2″,1	+ 23° 15′ 45″,01
η — —	22 33 8,0	22 32 55,96
μ — —	22 36 50,2	22 35 45,59
ν — —	20 20 31,3	20 18 58,65
γ — —	16 35 2,8	16 32 35,70
ε — —	25 20 52,1	25 17 57,20
ζ — —	20 54 20,3	20 49 29,82

Praecessiones annuas motumque proprium per 65 annos confectum inveni:

	1755	1820	Mot. propr.
h Geminorum	+ 0″,9422	+ 0″,5969	− 7″,111
η — —	− 0,0078	− 0,3510	− 0,379
μ — —	− 0,7120	− 1,0558	− 7,156
ν — —	− 1,2610	− 1,5975	+ 0,251
γ — —	− 2,0585	− 2,3846	− 2,699
ε — —	− 2,5188	− 2,8654	+ 0,087
ζ — —	− 4,3053	− 4,6335	+ 0,031

unde numeri Tabulae sequuntur.

Mediae Declinationes stellae γ Draconis omnibus observationibus, quae sunt Grenovici ope Sectoris Zenithalis circa hanc stellam factae, nituntur. Ex quibus sequentem inveni expressionem septentrionalis distantiae zenithalis pro tempore $1800 + t$:

$$2' 26'',669 - t \,.\, 0'',71394 + tt \,.\, 0'',001011$$

Hujus expressionis secundus terminus a mutatione Praecessionis originem duxit. Ejusdem expressionis cum observationibus haec est consensio:

*) Astronomische Beobachtungen auf der Königsberger Universitäts-Sternwarte. VIII. Abtheilung. P. V.

	Dist. a V. observ.	Numer. observ.	Error formulae
1750	3′ 4″,91	12,0	— 0″,02
1751	3,81	7,9	+ 0,27
1751	4,35	8,9	— 0,27
1752	4,01	8,9	— 0,74
1753	3,14	7,5	— 0,68
1754	0,08	6,0	+ 1,57
1768	2 50,36	21,0	+ 0,19
1777	43,78	18,8	— 0,16
1785	38,79	4,0	— 1,18
1800	26,72	24,5	— 0,05
1801	26,10	18,2	— 0,14
1802	24,72	18,5	+ 0,53
1802	24,37	30,0	+ 0,88
1805	22,20	37,9	+ 0,93
1809	19,85	26,7	+ 0,48
1810	18,96	19,0	+ 0,67
1811	19,46	27,8	— 0,52
1811	19,98	21,0	— 1,04
1812	18,94	56,8	— 0,69

Ut ex hujus stellae distantiis zenithalibus eae Declinationes derivarentur, quae Tabula contineantur, altitudinem poli Grenovicensem esse posui = 51°28′39″,6, non, quod hanc determinationem *Pondianae* anteponam, sed quod ope ejusdem facta est Quadrantis, qui easdem quoque observationes suppeditavit, quae positis in XI Tabula Declinationibus sunt reducendae.

Non necessarium est, exemplo illustrare, quomodo possint ope Tabularum XI et VIII apparentes Declinationes illarum 8 in priore Tabula contentarum stellarum inveniri, quum explicatio 8vae Tabulae ad hoc sufficere videatur. Contra utendum puto hac opportunitate, ut exponam, quomodo mea quidem sententia ad calculum vocandae sint Grenovicenses ope Quadrantis muralis institutae observationes, si dubitationes illas evitare velis, quas affert instrumenti mutatio, a longo profecta usu, sed demum versus annum 1810 animadversa.

Si distantiam zenithalem, quae Quadrante murali observata sit, addita Refractione, significaverimus per z, Declinationem stellae observatae per δ, jam $z+\delta$ poli altitudinem exprimeret, modo Quadrans neque collimationis vitio, neque aliis affectus esset vitiis. Si ea, quae sunt distantiae zenithali addenda, ut ab his vitiis liberetur, notaverimus per $c(z)$, poli altitudinem habebimus hanc

$$\varphi = z + \delta + c(z)$$

Si functionis $c(z)$ hanc esse formam $c + c' \operatorname{Cos} z + c'' \operatorname{Sin} z$ supposuerimus, quae vel vitio collimationis in puncto verticali, vel cuidam excentricitati, vel effectui gravitatis in partes instrumenti respondeat, eamque formulam si ponendo $\varphi - \delta$ pro z mutaverimus in hanc

$$c + a \operatorname{Cos}\delta + b \operatorname{Sin}\delta$$

observatio cujusque stellae, cujus Declinatio ponitur cognita, aequationem affert

$$\varphi - c - a \operatorname{Cos}\delta - b \operatorname{Sin}\delta = z + \delta$$

sive

$$\varphi - c - a + 2a \operatorname{Sin}\tfrac{1}{2}\delta^2 - b \operatorname{Sin}\delta = z + \delta$$

quam nunc signabo per

$$\varphi' + \alpha \operatorname{Sin}\delta + \beta \operatorname{Sin}\tfrac{1}{2}\delta^2 = z + \delta.$$

Jam solutio problematis, inveniendi Declinationem ignotam D ex distantia zenithali Z, Quadrante observata atque a Refractione liberata, manifesto in hoc versatur, ut quantitates φ', α, β ex observationibus stellarum, quarum Declinationes *cognitae* sint, determinentur, sive ut ex expressione

$$D = \varphi' + \alpha \operatorname{Sin} D + \beta \operatorname{Sin}\tfrac{1}{2}D^2 - Z$$

eliminentur.

Omnes hujus problematis tres incognitae ponendae sunt variabiles et ab interioribus, anno 1810 animadversis mutationibus Quadrantis dependentes. Quarum prima, quae errorem collimationis continet, etiam a mutationibus retis filorum, subitisque aliis instrumenti perturbationibus, e. g. a quadam fortuita offensione dependet. Ita quantitates α et β cum ipso tempore continuo procedere, quantitatem vero φ' subitis obnoxiam esse mutationibus, statuere licet.

Huic rei conditioni haec ratio in Quadrantis cognitionem inquirendi maxime adaptata esse videtur. Postquam omnes observatae a Vertice distantiae stellarum 86 fundamentalium, nec non 7 stellarum Geminorum atque γ Draconis Refractione atque Declinatione apparenti auctae sunt, ita ut quaevis earum valorem quantitatis $\varphi' + \alpha \operatorname{Sin}\delta + \beta \operatorname{Sin}\tfrac{1}{2}\delta^2$ suppeditet, ante omnia in tempora inquirendum est, ubi linea collimationis subitas mutationes experiebatur. Haec tempora limites erunt *Periodorum*, intra et extra quas una incognitarum φ' tamquam aequalis spectari non licet; sed si observationes in quaque harum periodorum (secundum methodum minimorum quadratorum) ita combinantur, ut φ' eliminetur, duae aequationes pro incognitis α et β nobis offeruntur, quarum forma

$$a\alpha + b\beta = d; \quad b\alpha + c\beta = e$$

erit. Si jam omnes hujusmodi aequationes, ex observationibus certi intervalli temporis e. g. quinquennii collectae, in duas summas

$$(a + a' + a'' + \ldots)\alpha + (b + b' + b'' + \ldots)\beta = d + d' + d'' + \ldots$$
$$(b + b' + b'' + \ldots)\alpha + (c + c' + c'' + \ldots)\beta = e + e' + e'' + \ldots$$

conjunguntur, earum solutio suppeditabit valores incognitarum α et β pro tempore medio hujus intervalli; tandem substituendo valores ipsorum α et β, φ' definietur pro quavis periodo.

Jam perspicuum est, Declinationem aliquam D, reductam adhibitis valoribus ipsorum φ', α, β hoc modo inventis, liberam a Quadrantis erroribus considerari posse et niti solis determinationibus fundamentalibus, quas toti huic operi subesse scimus. Pro sideribus, quae sunt in vicinia Aequatoris, ut pro Sole, pro planetis, pro Luna, quantitas β, quippe quae multiplicata sit in $\mathrm{Sin}\frac{1}{2}\delta^2$, exiguum in aequalibus et septentrionalibus et australibus Declinationibus aequalem habet effectum, qui cum quadam approximatione idem erit, quem habet β in medium ex iis stellis fundamentalibus, quae non longe distant ab Aequatore, et in medium ex illis septem Geminorum stellis. Quare quantitas illa forsitan plane omitti poterit. Sed rem accurate dijudicandam debemus illi relinquere, qui ipse in hoc pertractando elaborare velit: optima rei tractandae ratio tum poterit eligi, quum omnes cujusque quinquennii observationes, quae huic investigationi inservire possint, licebit in uno conspectu videre. — Non dubito, quin talis Grenovicensium observationum investigatio, quum hoc fundamento reductio longae *Maskelyniarum* observationum seriei nitatur, utilissimum opus sit, quod quis suscipere possit ad augendam systematis Solaris cognitionem. Certe reductio, quam supra optandam putavi observationum corporum systematis Solaris inde ab anno 1750 institutarum, maxima ex parte ab illo, quem indicavi, pendet labore.

Tabula XII.

Reductio observationum Solis.

Haec Tabula, quae pro veris anni fioti 1800 meridiebus computata est, cujus Argumentum ergo quoque *Dies reductus* est, continet:

1) Moram transitus disci Solaris, tempore sidereo expressam ejusque variationem saecularem;
2) Logarithmum Factoris (F), quocum filorum Tubi meridiani intervalla tempore expressa sunt multiplicanda, ut tempus inveniatur sidereum, quod Sol in his intervallis conficiendis consumat;
3) naturalem Tangentem et Secantem Declinationis Solaris, quae reductioni transitus per medium filum ad meridianum secundum usitatam formulam
$$m + n\,\mathrm{Tang}\,\delta + c\,\mathrm{Sec}\,\delta$$
inserviant;
4) quantitatem a et logarithmum b, quibus adhibitis distantia sive zenithalis sive polaris ad horizontale filum instrumenti collocati in meridiano observata tempore t, minutis secundis expresso, ante culminationem positive sumpto secundum formulam
$$\frac{at}{100} + b.tt$$
reducatur;
5) Radium disci Solaris, ejusque variationem saecularem;
6) Columnam vacuam, in qua inscribi poterit pro unaquaque specula Parallaxis altitudinis.

Tabula secundum formulas

$$F = \frac{\mathrm{Sec}\,\delta}{1-\lambda}$$

$$\text{Radius disci } R' = \frac{R}{r}$$

$$\text{Mora transitus} = \frac{2}{15} R'.F$$

$$b = \left(\frac{15}{2}\right)^2 \mathrm{Sin}\,1''(1-\lambda)^2\,\mathrm{Sin}\,2\delta$$

computata est, in quibus $1-\lambda$ unum minutum secundum temporis siderei, minuto secundo temporis veri expressum, significat et

$$\lambda = \frac{\mathrm{Cos}\,\omega\,\sqrt{(1-ee)}}{rr\,\mathrm{Cos}\,\delta^2(T+1)}$$

ubi R, r, ω, T significant medium radium disci Solaris, distantiam Solis a terra, Obliquitatem Ecliptices et annum tropicum diebus expressum. Numeri, qui in Tabula sub nota α reperiuntur, exprimunt variationem Declinationis per 100″ temporis siderei. Variationem saecularem logarithmi ipsius F (per dimidium saeculum non ultra duas unitates ultimae notae decimalis ascendentem) Tabulae adjungere supervacaneum duxi.

Elementa elliptica orbitae terrestris in hac Tabula adhibita eadem sunt, quae Tabulis Solaribus subsint meis. Radium disci medium R tantum supposui, quantum mihi suppeditarunt morae transitus ab anno 1820 usque ad annum 1828 incl. observatae a me ope Circuli meridiani a *Reichenbachio* et *Ertellio* confecti. Has observationes ita ad calculos vocavi, ut ea tantum fila instrumenti adhiberentur, ad quae uterque limbus in eadem culminatione esset observatus. Medium transituum 1698 inveni

$$R = 16'\,0'',90,$$

quo cum numero singuli anni ita consentiunt:

	Observatio	Differentia
1820	16′ 1″,81	+ 0″,41
1821	1,08	+ 0,18
1822	0,87	− 0,03
1823	0,66	− 0,24
1824	0,91	+ 0,01
1825	1,18	+ 0,28
1826	0,76	− 0,14
1827	0,74	− 0,16
1828	0,58	− 0,32

Hic valor radii disci Solaris exacte idem est, quem Cl. *Struvius*, simili usus instrumento eademque adhibita methodo, invenit *). Is valor 0″,35 major est illo, quem ex *Maskelynii* observationibus concluxit Ill. *de Lindenau* **).

*) *Schumacher*, Astronomische Nachrichten. Nr. 59.
**) *von Zach*, Monatliche Correspondenz. Vol. XXI. P. 481.

Constat, transitus inferiorum planetarum per discum Solis nec non defectus Solis duabus tribusve minutis secundis minorem suppeditare radium, sed differentia, quae caussae opticae nominatim diffractioni Luminis tribuitur, vereor, ut eadem sit pro omnibus Tubis.

Ultima Tabulae columna vacua, quae Parallaxin altitudinis Solis culminantis debet continere, secundum formulam

$$\frac{8'',5776}{r}\,\varrho\,\mathrm{Sin}\,(\varphi'-\delta)$$

explenda est, in qua $\varrho\,\mathrm{Sin}\,\varphi'$ et $\varrho\,\mathrm{Cos}\,\varphi'$ distantias significant loci observationis ab aequatore et ab axi terrestri, et media Parallaxis horizontalis Solis tanta est assumpta, quantam e transitibus Veneris annis 1761 et 1769 Cel. *Enckius* determinavit. Quae formula si formam induerit:

$$a\,.\,A + b\,.\,B$$

ubi

$$A = \varrho\,\mathrm{Sin}\,\varphi',\quad B = \varrho\,\mathrm{Cos}\,\varphi'$$

sive expressa per altitudinem poli φ

$$A = \frac{(1-ss)\,\mathrm{Sin}\,\varphi}{\sqrt{(1-ss\,\mathrm{Sin}\varphi^2)}};\qquad B = \frac{\mathrm{Cos}\,\varphi}{\sqrt{(1-ss\,\mathrm{Sin}\,\varphi^2)}}$$

erit

$$a = \frac{8'',5776}{r}\,\mathrm{Cos}\,\delta;\qquad b = -\frac{8'',5776}{r}\,\mathrm{Sin}\,\delta$$

Harum quantitatum logarithmos pro quoque die octavo anni ficti hic apponam, quo facillima erit repletio columnae vacuae, data poli altitudine.

		Log a	Log b			Log a	Log b
Jan.	0	0,9045	0,5341	Jul.	3	0,8902	0,5177n
	8	0,9071	0,5185		11	0,8930	0,5022n
	16	0,9108	0,4929		19	0,8970	0,4781n
	24	0,9153	0,4563		27	0,9019	0,4444n
Febr.	1	0,9200	0,4067	Aug.	4	0,9075	0,3994n
	9	0,9247	0,3408		12	0,9129	0,3402n
	17	0,9288	0,2531		20	0,9182	0,2620n
	25	0,9320	0,1327		28	0,9231	0,1560n
Mart.	5	0,9342	9,9544	Sept.	5	0,9271	0,0033n
	13	0,9350	9,6831		13	0,9302	9,7490n
	21	0,9346	8,6545n		21	0,9320	9,0009n
	29	0,9328	9,7116n		29	0,9327	9,5643
Apr.	6	0,9298	9,9870n	Oct.	7	0,9320	9,9196
	14	0,9257	0,1473n		15	0,9302	0,1084
	22	0,9207	0,2571n		23	0,9273	0,2344
	30	0,9151	0,3374n		31	0,9235	0,3258
Maj.	8	0,9093	0,3980n	Nov.	8	0,9192	0,3946
	16	0,9035	0,4438n		16	0,9148	0,4468
	24	0,8983	0,4779n		24	0,9105	0,4858
Jun.	1	0,8940	0,5022n	Dec.	2	0,9070	0,5135
	9	0,8908	0,5178n		10	0,9044	0,5313
	17	0,8891	0,5254n		18	0,9032	0,5398
	25	0,8889	0,5254n		26	0,9035	0,5393
Jul.	3	0,8902	0,5177n		34	0,9052	0,5298

Tabula XIII.

Reductio observationum Lunae.

Quoniam Adscensio recta Lunae non immediate e transitu centri Lunaris per meridianum sed e temporibus appulsuum unius alteriusve limbi ad fila Tubi meridiani observatur, primum quaeram Adscensionem rectam e centri, quae uni horum momentorum, nempe tempori sidereo μ, partibus arcus expresso, respondeat. Data supponuntur: Declinatio δ, radius disci geocentricus k, Parallaxis horizontalis aequatorialis π, Latitudo geocentrica loci observationis φ' ejusque distantia a centro terrestri ϱ. Instrumenti per collocatio vitiumque collimationis cognita supponuntur, nempe angulus horarius atque distantia polaris poli orientalis axis rotatorii instrumenti atque constantia circuli a medio filo in sphaera coelesti descripti ab hoc puncto. Illae quantitates, ut fit in usitata formula pro reductione transituum observatorum ad meridianum, nempe

$$m + n \operatorname{Tang}\delta + c \operatorname{Sec}\delta$$

signabo per $-90° - m$, $90° + n$, $90° - c$.

Si appulsus observatus est ad filum, cujus distantia a medio filo sit f positive sumpta, si transitus per illud prius, negative, si serius, quam ejus medium filum evenerit, observata distantia limbi Lunaris ab orientali axis polo erit $= 90° - c - f$, centrique $= 90° - c - f \mp k'$, ubi k' apparentem significat radium, superiusque signum pro praecedente, inferius autem pro sequenti limbo valet. Haec distantia latus erit trianguli sphaerici, cujus ea reliqua latera, et distantia poli axis instrumenti et distantia Lunae a polo coelesti $90° + n$, $90° - \delta'$, angulum comprehendunt $90° + m + \mu - \alpha'$, ubi α' et δ' significant apparentem Lunae Adscensionem rectam et Declinationem. Igitur habemus

$$\begin{aligned}\operatorname{Sin}(c + f \pm k') &= -\operatorname{Sin} n \operatorname{Sin}\delta' - \operatorname{Cos} n \operatorname{Cos}\delta' \operatorname{Sin}(m + \mu - \alpha') \\ &= -\operatorname{Sin} n \,.\, \operatorname{Sin}\delta' \\ &\quad - \operatorname{Cos} n \operatorname{Sin} m \,.\, \operatorname{Cos}\delta' \operatorname{Cos}(\mu - \alpha') \\ &\quad - \operatorname{Cos} n \operatorname{Cos} m \,.\, \operatorname{Cos}\delta' \operatorname{Sin}(\mu - \alpha')\end{aligned}$$

Haec aequatio quum fuerit multiplicata per distantiam Lunae ab observatore $= \Delta$, quantitates, quae ab apparente Lunae loco dependent, per locum geocentricum poterunt exprimi, quod fit per usitatas formulas:

$$\begin{aligned}\Delta \operatorname{Cos}\delta' \operatorname{Cos}(\mu - \alpha') &= \operatorname{Cos}\delta \operatorname{Cos}(\mu - \alpha) - \varrho \operatorname{Sin}\pi \operatorname{Cos}\varphi' \\ \Delta \operatorname{Cos}\delta' \operatorname{Sin}(\mu - \alpha') &= \operatorname{Cos}\delta \operatorname{Sin}(\mu - \alpha) \\ \Delta \operatorname{Sin}\delta' &= \operatorname{Sin}\delta - \varrho \operatorname{Sin}\pi \operatorname{Sin}\varphi' \\ \Delta \operatorname{Sin} k' &= \operatorname{Sin} k \\ \Delta \operatorname{Cos} k' &= \sqrt{|\operatorname{Cos} k^2 - 2\varrho \operatorname{Sin}\pi [\operatorname{Sin}\delta \operatorname{Sin}\varphi + \operatorname{Cos}\delta \operatorname{Cos}\varphi \operatorname{Cos}(\mu - \alpha)} \\ &\qquad + \varrho\varrho \operatorname{Sin}\pi^2 |\end{aligned}$$

Ex quo apparet, si problematis solutio summo rigore quaeratur, inventionem ipsius α a solutione aequationis quarti gradus pendere. Sed quoniam

quantitates $c+f\pm k'$, n, m, $\mu-\alpha$ tam exiguae semper sunt, ut Sinus earum cum arcubus, Cosinus vero cum unitate commutari possint, habebimus:

$$\Delta(c+f\pm k') = -n\Delta \operatorname{Sin}\delta' - m\Delta \operatorname{Cos}\delta' - (\mu-\alpha)\operatorname{Cos}\delta$$

sive

$$\alpha = \mu \pm \frac{k}{\operatorname{Cos}\delta} + \frac{f\Delta}{\operatorname{Cos}\delta} + \frac{\Delta \operatorname{Cos}\delta'}{\operatorname{Cos}\delta}\ (m + n\operatorname{Tang}\delta' + c\operatorname{Sec}\delta')$$

Quam formulam si volumus totam per veram exprimere Declinationem, ponere possumus

$$\Delta = 1 - \varrho \operatorname{Sin}\pi \operatorname{Cos}(\psi' - \delta)$$

neque verendum est, ne per hoc quantitas $f\Delta$ pro $f = 20''$ (haec enim maxima est in usitatis Tubis meridianis distantia, qua fila lateralia a medio filo distent) in majus vitium, quam $0'',2$ arcualium incurrat, idque vitium e medio diversorum filorum circa medium filum symmetrice collocatorum evanescere, neminem fugit. Majore etiam jure ponere licet

$$\Delta \operatorname{Cos}\delta' = \operatorname{Cos}\delta - \varrho \operatorname{Sin}\pi \operatorname{Cos}\varphi'$$

quo efficitur, ut sit

$$\alpha = \mu \pm \frac{k}{\operatorname{Cos}\delta} + f\frac{1-\varrho \operatorname{Sin}\pi \operatorname{Cos}(\varphi'-\delta)}{\operatorname{Cos}\delta} + m' + n' \operatorname{Tang}\delta + c' \operatorname{Sec}\delta$$

ubi

$$m' = m - c\operatorname{Cos}\varphi' \,.\, \varrho \operatorname{Sin}\pi$$
$$n' = n - c\operatorname{Sin}\varphi' \,.\, \varrho \operatorname{Sin}\pi$$
$$c' = c - (m\operatorname{Cos}\varphi' + n\operatorname{Sin}\varphi')\,\varrho \operatorname{Sin}\pi$$

Ultimum terminum si quis velit apparente Declinatione expressum retinere, quod commodius erit, si haec in indice instrumenti lecta fuerit, id quod semper cum certitudine paucorum minutorum primorum hic sufficiente fieri potest, erit

$$\alpha = \mu \pm \frac{k}{\operatorname{Cos}\delta} + f\frac{1-\varrho \operatorname{Sin}\pi \operatorname{Cos}(\varphi'-\delta)}{\operatorname{Cos}\delta} + \left(1-\varrho \operatorname{Sin}\pi \frac{\operatorname{Cos}\varphi'}{\operatorname{Cos}\delta'}\right)(m + n\operatorname{Tang}\delta' + c\operatorname{Sec}\delta').$$

Vulgo tempus culminationis derivabitur e temporibus transituum per fila, sive quaeretur filorum *reductio ad meridianum*. Quo in casu tempori observato tempus, quo Luna angulum horarium $\mu-\alpha$ lustrat, addendum est, sive angulus ille horarius, divisus per $1-\lambda$, ubi λ variationem Adscensionis rectae tempore expressae per minutum secundum temporis siderei significat. Habebimus igitur reductionem ad meridianum, quantitate

$$\frac{1-\varrho \operatorname{Sin}\pi \operatorname{Cos}(\varphi'-\delta)}{(1-\lambda)\operatorname{Cos}\delta}$$

notata per F,

$$= \pm \frac{k}{(1-\lambda)\operatorname{Cos}\delta} + fF + \frac{m' + n'\operatorname{Tang}\delta + c'\operatorname{Sec}\delta}{1-\lambda}$$

sive

$$= \pm \frac{k}{(1-\lambda)\operatorname{Cos}\delta} + fF + \frac{1-\varrho \operatorname{Sin}\pi \operatorname{Cos}\varphi' \operatorname{Sec}\delta'}{1-\lambda}(m + n\operatorname{Tang}\delta' + c\operatorname{Sec}\delta')$$

Primus terminus est negligendus, si non pro centro, sed pro observato limbo habere velis tempus Culminationis. Omisso divisore $1-\lambda$, qui est in

ultimo membro, tempus Culminationis hoc modo inventum Adscensionem rectam non pro ipso Culminationis momento sed pro momento transitus per medium filum suppeditat. Tum igitur, ut reductio fiat ad meridianum, expressio

$$fF + \left(1 - \varrho \operatorname{Sin} \pi \frac{\operatorname{Cos} \varphi'}{\operatorname{Cos} \delta'}\right)(m + n \operatorname{Tang} \delta' + c \operatorname{Sec} \delta')$$

est adhibenda, in qua ultimus terminus tantum in hoc discrepat a reductione pro stellis fixis adhibenda, quod in fractionem multiplicatus est, cujus minimus valor $\frac{1}{50}$, pro speculis Europaeis $\frac{1}{70}$ ab unitate diversus esse potest. Quam ob causam fractio, quum m, n, c vulgo exiguum habent valorem, cum unitate poterit commutari.

Ut facilius reddatur calculus factoris F, in Tabula XIII logarithmus protuli quantitatis $1 - \varrho \operatorname{Sin} \pi \operatorname{Cos}(\varphi' - \delta)$ sub nota $l.A$ cum Argumento $\operatorname{Log}(\varrho \operatorname{Sin} \pi \operatorname{Cos}(\varphi' - \delta))$, complementumque logarithmi ipsius $1 - \lambda$ notatum per $l.B$, cujus Argumentum, nempe variatio Adscensionis rectae 12 horis medii temporis et minutis primis arcualibus expressum est. Quem motum pro duodecim horis quum Ephemerides inde a meridie usque ad mediam noctem, et a media nocte usque ad succedentem meridiem suppeditent, momentaneum motus pro tempore observationis interpolando derivari poterit *). Quodsi hic intervallum 12 horarum pro temporis unitate assumamus, id quod commodissimum erit, motusque ad hanc unitatem relatus significetur per $\Delta\alpha$, habebimus

$$\lambda = \frac{\Delta\alpha}{15 \cdot 721{,}971} = \frac{\Delta\alpha}{10830}$$

ergo quantitas B, cujus logarithmus Tabula continetur, erit

$$\frac{10830}{10830 - \Delta\alpha}$$

Ope hujus Tabulae habebimus

$$\operatorname{Log} F = \operatorname{Log} A + \operatorname{Log} B + \operatorname{Log.Sec} \delta.$$

Caeterum factoris F computatio superflua est, si Luna ad omnia fila instrumenti observata, tempus transitus per medium filum, ex omnibus omnium filorum transitibus collectum sciscitemur. Illud enim tempus habebitur, si medio arithmetico, quod ex omnibus temporibus observatis collectum sit, correctio addatur, quae ab inaequalitate distantiarum filorum oriatur. Ea semper cognita erit exiguaque est pars temporis, quod Luna consumit transeundo ab uno extremo filo ad alterum extremum.

Quaeratur Declinatio pro eodem tempore, pro quo jam determinata sit Adscensio recta. Si unus alterve limbus Lunae ad filum, quod sit instrumenti axi parallelum, tempore sidereo μ observatus erit, Declinationemque esse δ, instrumentum indicaverit, duo sunt ad inveniendum δ sphaerica triangula consideranda, quorum alterum aPl polum axis, polum mundi et centrum Lunae connectat, alterum lal' centrum Lunae, polum axis et punctum illud limbi Lunae, quod filum tangat, vicissim conjungat. In primo triangulo angulus P erit $= 90° + m + \mu - \alpha$, latus $Pa = 90° + n$, latus vero $Pl = 90° - \delta$;

*) Schumacher, Astronomische Nachrichten. Nr. 23.

in altero triangulo angulus $l' = 90°$, latus $ll' = h'$. Observato limbo septentrionali, quantitas $90° - \delta$, differentia erit angulorum in puncto a sitorum utriusque trianguli, observato australi, quantitas illa summa erit; latus al utrique triangulo commune est. Quoniam pro primo triangulo habemus

$$\operatorname{Sin} al \,.\, \operatorname{Cos}(\delta, \mp la') = \operatorname{Cos}\delta' \operatorname{Cos}(m+\mu-\alpha')$$
$$\operatorname{Sin} al \,.\, \operatorname{Sin}(\delta, \mp la') = \operatorname{Sin}\delta' \operatorname{Cos} n - \operatorname{Cos}\delta' \operatorname{Sin} n \operatorname{Sin}(m+\mu-\alpha')$$

pro secundo

$$\operatorname{Sin} al \,.\, \operatorname{Sin} la' = \operatorname{Sin} h',$$

inde derivabimus, eliminando ipsa al et la'

$$\begin{aligned} \pm \operatorname{Sin} h' = {} & \operatorname{Cos}\delta' \operatorname{Cos}(m+\mu-\alpha') \,.\, \operatorname{Sin}\delta, \\ & + \operatorname{Cos}\delta' \operatorname{Sin}(m+\mu-\alpha') \,.\, \operatorname{Cos}\delta, \operatorname{Sin} n \\ & - \operatorname{Sin}\delta' \,.\, \operatorname{Cos}\delta, \operatorname{Cos} n \end{aligned}$$

Quae aequatio si multiplicata fuerit per Δ, et quantitates α', δ', h' expressae fuerint per data geocentrica, invenietur:

$$\begin{aligned} \pm \operatorname{Sin} h = {} & \operatorname{Cos}\delta \,|\, \operatorname{Sin}\delta, \operatorname{Cos}(m+\mu-\alpha) + \operatorname{Cos}\delta, \operatorname{Sin}(m+\mu-\alpha) \operatorname{Sin} n \,| \\ & - \operatorname{Sin}\delta \operatorname{Cos}\delta, \operatorname{Cos} n \\ & - \varrho \operatorname{Sin}\pi \,|\operatorname{Cos}\varphi' [\operatorname{Sin}\delta, \operatorname{Cos} m + \operatorname{Cos}\delta, \operatorname{Sin} m \operatorname{Sin} n] - \operatorname{Sin}\varphi' \operatorname{Cos}\delta, \operatorname{Cos} n| \end{aligned}$$

unde δ omni rigore definitur. Sed quoniam quantitates $\operatorname{Sin}(m+\mu-\alpha) \operatorname{Sin} n$, $\operatorname{Sin} m \operatorname{Sin} n$ semper negligi possunt, $\operatorname{Cos} m$ vero et $\operatorname{Cos} n$ ponere licet $= 1$, habebitur:

$$\pm \operatorname{Sin} h - \varrho \operatorname{Sin}\pi \operatorname{Sin}(\varphi' - \delta,) = \operatorname{Sin}(\delta, - \delta) - \operatorname{Cos}\delta \operatorname{Sin}\delta,(1 - \operatorname{Cos}(m+\mu-\alpha)).$$

Si μ' designabit tempus centri Lunae culminantis, erit

$$\mu - \alpha = (\mu - \mu')(1 - \lambda);$$

sed quia in quantitate $1 - \operatorname{Cos}(m+\mu-\alpha)$ ipsum m poterit negligi, quum effectus ipsius tantum ordinis est $m \operatorname{Sin}(\mu - \alpha)$, invenietur:

$$\begin{aligned} \operatorname{Sin}(\delta - \delta,) = {} & \varrho \operatorname{Sin}\pi \operatorname{Sin}(\varphi' - \delta,) \mp \operatorname{Sin} h \\ & - \operatorname{Cos}\delta \operatorname{Sin}\delta, (1-\lambda)^2 (\mu - \mu')^2 \operatorname{Sin} \tfrac{1}{2}''. \end{aligned}$$

Inde haec instituendi calculi norma, quae ad veritatem satis accedit, facile derivatur, ubi $\mu - \mu'$ expressum est minutis secundis temporis:

$$\operatorname{Sin} p = \varrho \operatorname{Sin}\pi \operatorname{Sin}(\varphi' - \delta,)$$

$$\delta = \delta, + p \mp h \mp \left(\frac{p \mp h}{2}\right) \operatorname{Sin} p \operatorname{Sin} h$$

$$- \tfrac{225''}{4} \operatorname{Sin} 1'' \,.\, \operatorname{Sin} 2\delta, (1-\lambda)^2 (\mu - \mu')^2$$

Declinatio ita inventa ad temporis momentum μ'' reducitur, pro quo jam determinata est Adscensio recta, addendo variationem per temporis intervallum $\mu'' - \mu$. Ergo si momentanea Declinationis variatio, ad temporis unitatem duodecim horarum relata, minutisque primis expressa, significatur per $\Delta\delta$ ponaturque

$$\lambda' = \frac{\Delta\delta}{721{,}971}$$

quaesita Declinatio erit $= \delta + (\mu'' - \mu)\lambda'$. Quantitas λ' invenitur in Tabula XIII.

Exemplum. Quaeritur Lunae et Adscensio recta et Declinatio, quae prodeant ex observatione Regiomontana in meridiano facta die 13. Jun. 1821.

1. Appulsus praecedentis limbi ad quinque fila instrumenti meridiani observati sunt:

$49' 2'',8 \mid 49' 19'',8 \mid 15^h 49' 36'',7 \mid 49' 53'',2 \mid 50' 9'',8.$

Per distantias filorum a medio filo, in Aequatore

$29'',4225;\ 14'',6386;\ 14'',3144;\ 28'',7773$

notum est, medio arithmetico ex omnibus ad quinque fila observatis appulsibus intervallum temporis duorum extremorum filorum multiplicatum per 0,00333 addendum esse, quod pro hoc exemplo tempus transitus per medium filum suppeditat

$= 15^h 49' 36'',46 + 67'',0 \,.\, 0,00333 = 15^h 49' 36'',683$

Quodsi scire avemus, quid unumquodque suppeditet filum, e Tabula XIII quaerendus est factor F. Ex ephemeridibus Gallicis invenietur pro vero tempore Parisino $= 9^h 10'$, quod proxime accedit ad tempus observationis:

$$\Delta\alpha = 6^\circ 39',0$$
$$\delta = -25^\circ 14',7$$
$$\pi = 55' 7'',0$$

Compressione sphaeroidis terrestris posita $= 0,00324$, pro Regiomonto erit

$$\text{Log}\,\varrho = 9,9990640,\quad \varphi' = 54^\circ 32' 18'',4$$

unde invenitur $\text{Log}\,|\varrho \,\text{Sin}\,\pi \,\text{Cos}\,(\varphi' - \delta)| = 7,45293.$

Atqui Tabula XIII suppeditat:

$$l.A = 9,99876$$
$$l.B = 0,01630$$
$$l.\text{Sec}\,\delta = 0,04359$$
$$l.F = 0,05865$$

cujus ope reductio singulorum filorum ad filum medium obtinetur:

Log. f	$f \,.\, F$	Temp. transit.
		^{h} 15 ^{m} 49 ^{s} 36,477
1,46868	+ 33,677	36,555
1,16549	+ 16,755	36,700
1,15577n	− 16,384	36,816
1,45905n	− 32,938	36,862
	Medium	15 49 36,682

ubi exigua differentia $0'',001$ ex eo oritur, quod in priore calculo intervallum temporis extremorum filorum $0'',38$ majus sumptum est, quam fuisset pro distantia filorum.

Instrumenti deflexiones a meridiano quum essent

$$m = +0'',03;\quad n = -0'',297;\quad c = -0'',017$$

invenietur cum $\delta' = -26^\circ 9'$

$$\left\{1 - \varrho \,\text{Sin}\,\pi \frac{\text{Cos}\,\varphi'}{\text{Cos}\,\delta'}\right\} (m + n \,\text{Tang}\,\delta' + c \,\text{Sec}\,\delta') = +0'',155$$

sive tempus transitus ad meridianum reductum erit

$15^h 49' 36'',837.$

Eodem die status horologii observabatur per 5 stellas fundamentales:

	in filo medio	Reduct.	A. R. appar.	Corr. horol.
β *Virginis*	11 41 21,97	+ 0,002	11 41 24,071	+ 2,099
α *Bootis*	14 7 30,59	− 0,097	14 7 32,585	+ 2,092
1α *Librae*	14 40 48,92	+ 0,093	14 40 50,943	+ 1,930
α *Coronae*	15 27 7,86	− 0,143	15 27 9,564	+ 1,847
α *Scorpii*	16 18 28,30	+ 0,156	16 18 30,254	+ 1,798
	Medium $14^h\,27'$			+ 1,953

quod cum diurna horologii correctionis variatione − 0″,46 ad tempus observationis Lunae reductum suppeditat

$$15^h\,49'\,36'',857 + 1'',927 = 15^h\,49'\,38'',764$$

ergo Adscensionem rectam praecedentis limbi Lunae

$$= 237°\,24'\,41'',46$$

quae determinatio ad tempus transitus per medium filum $= 15^h\,49'\,38'',61$ temporis sideralis $= 10^h\,22'\,17'',29$ vero temporis medii solaris pertinet. Radius Lunae, qui pertinet ad parallaxin 55′ 7″,0, est = 15′ 1″,10, quod multiplicatum per Sec δ subministrat 16′ 36″,23, et Adscensionem rectam centri quaesitam:

$$\alpha = 237°\,41'\,17'',7.$$

2. Septentrionalis Lunae limbus tempore horologii $15^h\,50'\,55''$ observabatur per instrumenti Circulum, qui indicaverat 277° 55′ 42″,1; correctio propter instrumenti flexionem et vitia divisionis est = − 1″,21, propter Refractionem vero − 5′ 40″,72; locus Aequatoris in Circulo instrumenti erat 303° 44′ 4″,35. Unde sequitur

$$\delta_{,} = -25°\,54'\,4'',18.$$

E numeris supra datis sequitur

$$p = 54'\,14'',05$$

$$p - h = 39'\,12'',95$$

$$-\frac{p-h}{2}\,\mathrm{Sin}\,p\,\mathrm{Sin}\,h = -0'',08$$

et membrum a $\mu - \mu'$ = + 11″,8 dependens = + 0″,08. Ex quo colligitur esse

$$\delta = -25°\,14'\,51'',28.$$

Quoniam determinatio haec valet pro $15^h\,50'\,55''$ temporis horologici, Adscensionis vero determinatio pro $15^h\,49'\,36'',68$ ejusdem temporis, variatio Declinationis per − 1′ 18″,32 est addenda. Ex ephemeridibus laudatis sequitur $\Delta\delta = -1°\,22'',94$, quocum Tab. XIII suppeditat $\lambda' = -0'',1149$. Cum hoc $(\mu'' - \mu)\lambda'$ erit = + 9″,00, et postremo quaesitus Lunae locus

1821 Jun. 13. $10^h\,22'\,17'',29$ temp. med.

A. R = 237° 41′ 17″,7; Decl. = − 25° 14′ 42″,3

Formulas etiam dabo pro eo casu, ubi Declinationem Lunae non ope instrumenti collocati in meridiano sed ope instrumenti circa verticalem axem

rotantis, metiendo plures distantias a vertice ante et post culminationem observemus.

Apparentem distantiam a vertice, quae pertineat ad tempus siderеum μ, notabo per z, distantiam vero, quae sit momento culminationis μ', per Z: tum $Z - z$ exprimenda est per $\mu - \mu'$.

Quoniam habemus

$$\operatorname{Cos} z = \operatorname{Sin}\varphi \operatorname{Sin}\delta' + \operatorname{Cos}\varphi \operatorname{Cos}\delta' \operatorname{Cos}(\mu - \alpha')$$

quum fuerit multiplicata per Δ apparensque Lunae locus expressus per locum geocentricum, erit

$$\Delta \operatorname{Cos} z = \operatorname{Sin}\varphi \operatorname{Sin}\delta + \operatorname{Cos}\varphi \operatorname{Cos}\delta \operatorname{Cos}(\mu - \alpha) - \rho \operatorname{Sin}\pi \operatorname{Cos}(\varphi - \varphi');$$

pari modo, valoribus ipsorum Δ et δ pro momento culminationis per Δ' et d designatis, erit

$$\Delta' \operatorname{Cos} Z = \operatorname{Cos}(\varphi - d) - \rho \operatorname{Sin}\pi \operatorname{Cos}(\varphi - \varphi').$$

Quodsi brevitatis gratia ponuntur

$$\operatorname{Cos}(\varphi - d) + u \text{ pro } \operatorname{Sin}\varphi \operatorname{Sin}\delta + \operatorname{Cos}\varphi \operatorname{Cos}\delta \operatorname{Cos}(\mu - \alpha)$$
$$p \text{ pro } \rho \operatorname{Sin}\pi \operatorname{Cos}(\varphi - \varphi'),$$

habebimus

$$\operatorname{Cos} z - \operatorname{Cos} Z = \frac{u}{\Delta} + [\operatorname{Cos}(\varphi - d) - p]\frac{\Delta' - \Delta}{\Delta\Delta'}$$

et quadrato ipsius $Z - z$ neglecto

$$Z - z = \frac{u}{\Delta \operatorname{Sin} Z} + [\operatorname{Cos}(\varphi - d) - p]\frac{\Delta' - \Delta}{\Delta\Delta' \operatorname{Sin} Z}.$$

Si in expressione

$$\Delta = \sqrt{1 - 2\rho \operatorname{Sin}\pi [\operatorname{Sin}\varphi' \operatorname{Sin}\delta + \operatorname{Cos}\varphi' \operatorname{Cos}\delta \operatorname{Cos}(\mu - \alpha)] + \rho\rho \operatorname{Sin}\pi^2}$$

in locum quantitatum $\rho \operatorname{Sin}\varphi'$ et $\rho \operatorname{Cos}\varphi'$ earum expressiones per altitudinem poli φ substitutae erunt, habebimus

$$\Delta = \sqrt{\left\{1 - \frac{2 \operatorname{Sin}\pi}{\sqrt{(1 - \varepsilon\varepsilon \operatorname{Sin}\varphi^2)}} [\operatorname{Sin}\varphi \operatorname{Sin}\delta(1 - \varepsilon\varepsilon) + \operatorname{Cos}\varphi \operatorname{Cos}\delta \operatorname{Cos}(\mu - \alpha)] + \rho\rho \operatorname{Sin}\pi^2\right\}}$$
$$= \sqrt{\left\{1 - \frac{2 \operatorname{Sin}\pi}{\sqrt{(1 - \varepsilon\varepsilon \operatorname{Sin}\varphi^2)}} [\operatorname{Cos}(\varphi - d) - \varepsilon\varepsilon \operatorname{Sin}\varphi \operatorname{Sin}\delta + u] + \rho\rho \operatorname{Sin}\pi^2\right\}}$$

ideoque

$$\Delta' = \sqrt{\left\{1 - \frac{2 \operatorname{Sin}\pi}{\sqrt{(1 - \varepsilon\varepsilon \operatorname{Sin}\varphi^2)}} [\operatorname{Cos}(\varphi - d) - \varepsilon\varepsilon \operatorname{Sin}\varphi \operatorname{Sin} d] + \rho\rho \operatorname{Sin}\pi^2\right\}}$$

unde reperitur sufficiente approximatione

$$\Delta = 1 - \operatorname{Sin}\pi \operatorname{Cos} Z$$

$$[\operatorname{Cos}(\varphi - d) - p]\frac{\Delta' - \Delta}{\Delta'} = \operatorname{Sin}\pi \operatorname{Cos} Z \,.\, u$$

quibus in expressione ipsius $Z - z$ substitutis prodit

$$Z - z = \frac{u}{(1 - \operatorname{Sin}\pi \operatorname{Cos} Z)^2 \operatorname{Sin} Z}$$

Ad inventionem ipsius u habebimus, quantitate $\mu - \mu'$ minutis secundis temporis siderei expressa,

$$\mu - \alpha = 15(\mu - \mu')(1 - \lambda)$$
$$\delta = d + (\mu - \mu')\lambda'$$

unde sequitur

$$z = \lambda' \operatorname{Sin} Z\,(\mu-\mu') - \tfrac{225}{2} \operatorname{Sin} 1''\,(1-\lambda)^2 \operatorname{Cos}\varphi \operatorname{Cos} d\,(\mu-\mu')^2$$

sive

$$z = -\tfrac{225}{2} \operatorname{Sin} 1''.(1-\lambda)^2 \operatorname{Cos}\varphi \operatorname{Cos} d\,\{(\mu-\mu'-b)^2 - bb\}$$

ubi, ut brevi comprehendatur, scriptum est

$$b \text{ pro } \frac{\lambda' \operatorname{Sin} Z}{225.\operatorname{Sin} 1''(1-\lambda)^2 \operatorname{Cos}\varphi \operatorname{Cos} d}$$

Si adhibentur quae sunt in Tabula XIII quantitates A et B, quibus jam supra usi sumus, habebimus formulas has:

$$a = \tfrac{225}{2} \operatorname{Sin} 1''.\frac{\operatorname{Cos}\varphi \operatorname{Cos} d}{B^2.\operatorname{Sin}(\varphi-d)}$$

$$b = \frac{\lambda'}{2a}$$

$$M = \mu' + b$$

$$Z-z = -\frac{a}{A^2}(\mu-M)^2 + \frac{a}{A^2}.bb$$

Has formulas in tertia Sectione observationum mearum promulgavi, quia Lunae in specula Regiomontana frequentes factae sunt observationes per distantias zenithales easque circummeridianas.

Tabula XIV.

Refractio Astronomica.

Refractionis Tabula, quam hic tradam, ex ea, quam e *Bradleji* observationibus derivaveram *), orta est hoc modo, quod correctiones adhibui necessarias, ut illarum cum Regiomontanis completa fieret consensio. Cujus Tabulae historiam breviter hic attingendam esse, haud superfluum duco. Tabulae in „Fundamentis Astronomiae" subest haec hypothesis, densitatem aëris in altitudine ss supra superficiem terrae esse

$$= (\varrho)^{-\frac{(g-l)}{gl}.as}$$

ubi (ϱ) densitatem in superficie terrae, a radium osculatorem meridiani pro specula Grenovicensi = 3269805 *Tois.*, g constantem valorem 116865,8 *Tois.*

$$l = 4226{,}05 \text{ Tois.} \{1 + (\tau-50)\,0{,}00208333\}$$

et τ gradum Thermometri a *Bradlejo* adhibiti significat. Pro unitate, qua metiamur (ϱ), sumpta est ea aëris densitas, quae tum erit, quum Barometrum 29,6 digitos Anglicos, Thermometrum indicaverit 50°. Sin Barometri altitudo erit b, Thermometrum vero, Barometro affixum, temperaturam τ' indicabit mercurii, positum est

$$(\varrho) = \frac{b}{29{,}6\,\{1 + (\tau'-50)\,0{,}0001025\}\,\{1 + (\tau-50)\,0{,}00208333\}}$$

*) Fundamenta Astronomiae pro Anno MDCCLV. Sect. IV.

Pro aëris densitate = 1, Tabula constantem Refractionis numerum

$$\alpha = 57'',538$$

supponit

His positis elementis, Refractio invenitur e solutione problematis, a *Krampio* et *Laplacio* prolati. Tabula non modo Refractionis valorem continet pro $b = 29,6$ et $\tau = \tau' = 50°$, sed etiam variationes, quas illa patitur, si b, τ, τ' alios nanciscantur valores. Sed hae variationes theoriae convenienter computatae sunt, neque, ut in prioribus Tabulis supposition est, totam Refractionem densitati aëris in loco observationis esse proportionalem. Quo accuratiore calculo effectus Barometri et Thermometri consensio Tabulae cum observationibus valde aucta est. Etiam illi, qui serius hanc rem tractaverunt, exemplum Tabulae meae plane secuti sunt plus minusve. Thermometrum, scala Fahrenheitiana instructum, quo *Bradlejus* utebatur ad cognoscendam aëris temperaturam, quum esset mense Octob. 1750 in nivem immersum, punctum gelationis habuit in 33°, 25, unde supposui, quoniam sufficientes carent de hoc instrumento investigationes, omnes temperaturas illud indicasse 1°,25 supra veras, ergo Tabulam valere pro 48°,75 veri Thermometri Fahrenheitiani. Refractione hujus Tabulae significata per $\delta\theta$, quum A et λ numeri sint, qui in Tabula pro unaquaque distantia zenithali inveniantur, formula, qua vera computabitur Refractio pro Barometri altitudine b, pro indicationibus interioris et exterioris Thermometri f' et f, erit:

$$\delta\theta \left\{ \frac{b}{29,6\,\{1+(f'-50)\,0,0001025\}} \right\}^{A} \{1+(f-48,75)\,0,00208333\}^{-\lambda}$$

Annis 1820 et 1821 postquam Circulum meridianum a *Reichenbachio* et *Ertellio* confectum, quo tum specula Regiomontana instructa erat, ita examinaveram, ut observationibus hoc instrumento institutis exiguas illas addere possem correctiones, quae a flexione instrumenti et a divisionis erroribus orirentur, quumque instrumentum ita examinatum certissimas polliceretur observationes, methodo insuper adhibita Thermometrum plane corrigendi, ad novam Refractionis Tabulam condendam observationes pervestigavi stellarum 58 circumpolarium, quae a stella α *Ursae minoris* culminant usque ad distantiam zenithalem 86° 27′. Quum Refractionis variationes, a temperatura profectas, ex observationibus 56 stellarum, quarum distantia zenithalis 60° transcenderet, determinare operam dedissem, inveni, densitatem aëris in temperatura x pro scala centesimali Thermometri sumendam esse

$$= \frac{1}{1+x\,.\,0,0036438}$$

ut observationes quam accuratissime repraesentarentur. Hunc quidem coefficientem Cel. *Gay-Lussac* invenit = 0,00375, sed quum hic pro aëre sicco, cujus majores fere sunt respectu Refractionis mutationes, quam aëris humore satiati, numerus inventus a me medio cuidam humoris statui respondet, ita ut posito hoc statu, hic cum illo consentiat numerus. Quam ob caussam illi numero numerum praeferre non dubitavi meum. Porro hac posita deter-

minatione inveni, Refractiones in Tabula „Fundamentorum Astronomiae“ multiplicandas esse per 1,003282, ut, quantum fieri possit, cum observationibus Regiomontanis consentiant. Serius Barometri altitudines, in his observationibus adhibiti, dimidia Linea Parisiensi augendas esse cognovi, quo efficitur, ut Barometri altitudo, pro qua Refractiones per 1,003282 multiplicatae valent, non adaequat Lineas Parisinas 333,28, ut suppositum est in disquisitione, sed Lineas 333,78. Quae correctio differentiam inter recentem et veterem determinationem vel minorem praebet, quia nunc tantum est in ratione 1:0,001779, quod, quum pro distantia zenithali 80° nondum 0″,6 assequatur, profecto limites non egrediatur incertitudinis, qua *Bradleji* instrumenta meteorologica sunt affecta. Utramque igitur determinationem inter se congruere, supponendum est, meaque quidem sententia etiam observationes Grenovicenses reduci poterunt secundum Tabulam Regiomontanam, in qua respectu instrumentorum meteorologicorum nihil incertum residet.

Secundum has igitur pervestigationes Refractionem habemus:

$$= (1+k)\,\partial\theta \,.\, \beta^{\Delta} \,.\, \gamma^{\lambda}$$

ubi $k = 0{,}003282$, β significat Barometri altitudinem divisam per 333,78 Lineas (utramque altitudinem supponimus reductam ad easdem et mercurii et scalae temperaturas), γ aëris densitatem, quatenus a sola temperatura pendentem, item divisam per densitatem eam, quae pro 48°,75 Thermometri Fahrenheitiani locum habet. Aëris temperaturam, prout illam sive scala Fahrenheitiana metiamur, sive Réaumuriana, sive Centesimali, notabimus per f, r, c; Barometri temperaturam per f', r', c', Barometri altitudinem sive Lineis Parisiensibus, sive digitis Anglicis, sive partibus Metri Gallici expressam per $b^{(l)}$, $b^{(e)}$, $b^{(m)}$ significabimus. Quoniam normalis temperaturae sunt harum mensurarum resp. $r' = 13°{,}0$, $f' = 62°$, $c' = 0$, Barometri altitudo ad veram mensuram reducta erit resp.

$$b^{(l)}\,\frac{80+r's}{80+13.s}; \quad b^{(e)}\,\frac{180+(f'-32)s}{180+80.s}; \quad b^{(m)}\,\frac{100+c's}{100}$$

ubi s extensionem indicat scalae a puncto glaciali usque ad punctum aquae bullientis, et si scala erit ex aurichalco fabricata, $= 0{,}0018782$. Sed quia digitus Anglicus metitur Lineas Parisienses 12 : 1,065765, Metrum vero 443,296, habebimus

$$b^{(l)}\,\frac{80+r's}{80+13s} = b^{(e)}\,\frac{12}{1{,}065765}\,.\,\frac{180+(f'-32)\,s}{180+80s}$$

$$= b^{(m)}\,443{,}296\,.\,\frac{100+c's}{100}$$

Supposita normalis Barometri altitudo Linearum 333,78, quam scala dimetiamur, cujus sit temperatura $f' = 50°$ sive $r' = 8°$ sive $c' = 10°$, vera Parisiensi mensura expressa, erit

$$333{,}78\,\frac{80+8\,.\,s}{80+13\,.\,s}$$

porro mercurii densitas, quae pro eadem temperatura sumpta est pro unitate, erit

$$= \frac{80+8.q}{80+s.q} = \frac{180+18q}{180+(f'-32)q} = \frac{100+10.q}{100+c'.q}$$

ubi q extensionem significat a puncto gelationis usque ad punctum ferventis aquae $= \frac{1}{66,6}$. Quantitas igitur β e duobus composita est factoribus B et T, quorum prior a sola Barometri altitudine, alter pendet a temperatura Barometri. Prior ille hic est:

$$B = \frac{b^{(l)}}{333,78} \cdot \frac{80+8.q}{80+8.s}$$

$$= \frac{b^{(e)}}{333,78} \cdot \frac{12}{1,065765} \cdot \frac{80+13s}{80+8s} \cdot \frac{180+18.q}{180+80.s}$$

$$= b^{(m)} \cdot \frac{443,296}{333,78} \cdot \frac{80+13s}{80+8s} \cdot \frac{100+10.q}{100}$$

alter

$$T = \frac{80+s's}{80+s'q} = \frac{180+(f'-32)s}{180+(f'-32)q} = \frac{100+c's}{100+c'q}$$

Tabula continet logarithmos duorum illorum factorum quantitatis β pro quoque Argumento, porro logarithmum continet ipsius

$$\gamma = \frac{180+16,75\,.\,0,36438}{180+(f-32)\,0,36438}$$

$$= \frac{180+16,75\,.\,0,36438}{180+\frac{4}{7}r\,.\,0,36438}$$

$$= \frac{180+16,75\,.\,0,36438}{180+\frac{5}{9}c\,.\,0,36438}$$

pro tribus illis variorum Thermometrorum scalis. Loco logarithmi ipsius $(1+k)\delta\theta$ continet $\mathrm{Log}\,\alpha$ ita sumptum, ut sit

$$\mathrm{Log}\,[(1+k)\delta\theta] = \mathrm{Log}\,\alpha + \text{Log. Tang. Dist. a Vert.}$$

Ergo habebimus logarithmum Refractionis:

$$= l\,.\,\mathrm{Tang}\,\theta + l.\alpha + A\,|l.B + l.T| + \lambda.l.\gamma.$$

Tabula hoc modo comparata usque ad distantiam zenithalem 85° continuata est. Usque ad hunc fere terminum ipsam examinavi observationibus meridianis, quas supra memoravi. Sed pro distantiis majoribus a Vertice Cl. *Argelander*, qui nunc praepositus est speculae Aboensi, tunc temporis adjunctus erat Regiomontanae, annis 1820 et 1821 numerosas fecit circa stellas occidentes observationes, ex quibus Tabulae in „Fundamentis Astronomiae" expositae errores pro dimidio quoque gradu distantiae zenithalis sunt derivati. *Observatas* has Refractiones quasi supplementum Tabulae adjeci, cujus reductio ad alias Barometri altitudines aliasque temperaturas ope ejusdem formulae supra explicatae efficitur; valores quantitatum A et λ ad hanc reductionem accommodati e „Fund. Astr." deprompti sunt.

Neminem fugit, strata aëris inaequaliter esse calefacta et hanc ob causam eorum aequilibrium esse perturbatum. Cujus quoniam contrarium debet quaeque theoria supponere, apertum est, theoriam non semper cum observa-

tionibus posse consentire, sed mediis tantum Refractionum valoribus se applicare. Ex quo perspicuum est, necessarium esse, verisimilem cujusque Refractionis computatae errorem ex inaequalitatibus, quae in observationum serie satis longa reperiantur, pro unaquaque distantia zenithali deducere, ut, quae sit Tabulae fides habenda in unoquoque casu, judicare possimus. Hujus rei disquisitio, quae Regiomontanis nitebatur observationibus, mihi haec suppeditavit.

Error verisimilis unius Refractionis ope Tabulae computatae.

D. a V.	±	*D. a V.*	±
45°	0″,27	85° 0′	1″,71
60	0,34	30	2,00
65	0,37	86 0	2,40
70	0,46	30	2,63
75	0,66	87 0	3,87
80	0,92	30	5,30
81	1,00	88 0	7,74
82	1,11	30	10,58
83	1,25	89 0	16,84
84	1,43	30	20,01

Ex quo perspicuum est, inaequalitates e memoratis caussis ortas, a temperatura et Barometri altitudo ad normam Tabulae meae ad calculos vocatae fuerint, in ultimis demum distantiae zenithalis gradibus valde sensibiles esse.

Exemplum. Quaeritur Refractio pro apparente distantia zenithali $\theta = 88° 15' 20''$, pro Barometri altitudine 335,20 Linearum Paris., pro temperatura Barometri $= -18°,0$ *C.*, temperatura aëris $= -7°,0$ *F.*

Tabula XIV suppeditat

	$la =$	1,73062	$A = 1,0079$, $\lambda = 1,0794$
Log Tang θ		0,92500	
$l.B = +254$			
$l.T = +126$			
$l\beta = +380$;	$\Delta l\beta$....	0,00888	
$l\gamma = +4545$;	$\lambda l\gamma$....	0,04906	
		2,70851	

Refractio $= 8' 31'',10$.

Tabula I.

Reductionis diei ad annum fictum pars prima = k.

	k					k			
1750	+	0	14	25,8	+ 0,010	1790	+	7	42	25,7	+ 0,321
1751	−	5	34	22,8	− 0,232	1791	+	1	53	57,8	+ 0,079
1752	+	12	56	49,1	+ 0,526	1792	+	20	4	50,0	+ 0,837
1753	+	6	48	1,0	+ 0,283	1793	+	14	16	2,1	+ 0,594
1754	+	0	59	12,9	+ 0,041	1794	+	8	27	14,3	+ 0,352
1755	−	4	49	35,1	− 0,201	1795	+	2	38	26,4	+ 0,110
1756	+	13	21	36,8	+ 0,557	1796	+	20	49	38,6	+ 0,868
1757	+	7	32	48,7	+ 0,314	1797	+	15	0	50,8	+ 0,626
1758	+	1	44	0,6	+ 0,072	1798	+	9	12	2,9	+ 0,383
1759	−	4	4	47,4	− 0,170	1799	+	3	23	15,1	+ 0,141
1760	+	14	6	24,5	+ 0,588	1800	−	2	25	32,7	− 0,101
1761	+	8	17	36,5	+ 0,346	1801	−	8	14	20,5	− 0,343
1762	+	2	28	48,4	+ 0,103	1802	−	14	3	8,3	− 0,586
1763	−	3	19	59,6	− 0,139	1803	−	19	51	56,1	− 0,828
1764	+	14	51	12,4	+ 0,619	1804	−	1	40	43,9	− 0,070
1765	+	9	2	24,4	+ 0,377	1805	−	7	29	31,7	− 0,312
1766	+	3	13	36,3	+ 0,134	1806	−	13	18	19,5	− 0,554
1767	−	2	35	11,7	− 0,108	1807	−	19	7	7,2	− 0,797
1768	+	15	36	0,3	+ 0,650	1808	−	0	55	55,0	− 0,039
1769	+	9	47	12,3	+ 0,408	1809	−	6	44	42,8	− 0,281
1770	+	3	58	24,3	+ 0,166	1810	−	12	33	30,5	− 0,523
1771	−	1	50	23,7	− 0,077	1811	−	18	22	18,3	− 0,765
1772	+	16	20	48,4	+ 0,681	1812	−	0	11	6,0	− 0,008
1773	+	10	32	0,4	+ 0,439	1813	−	5	59	53,8	− 0,250
1774	+	4	43	12,4	+ 0,197	1814	−	11	48	41,5	− 0,492
1775	−	1	5	35,5	− 0,046	1815	−	17	37	29,2	− 0,734
1776	+	17	5	36,5	+ 0,712	1816	+	0	33	43,1	+ 0,023
1777	+	11	16	48,5	+ 0,470	1817	−	5	15	4,6	− 0,219
1778	+	5	28	0,6	+ 0,228	1818	−	11	3	52,3	− 0,461
1779	−	0	20	47,3	− 0,014	1819	−	16	52	40,0	− 0,703
1780	+	17	50	24,7	+ 0,743	1820	+	1	18	32,3	+ 0,055
1781	+	12	1	36,8	+ 0,501	1821	−	4	30	15,4	− 0,188
1782	+	6	12	48,9	+ 0,259	1822	−	10	19	3,1	− 0,430
1783	+	0	24	1,0	+ 0,017	1823	−	16	7	50,8	− 0,672
1784	+	18	35	13,1	+ 0,774	1824	+	2	3	21,5	+ 0,086
1785	+	12	46	25,1	+ 0,532	1825	−	3	45	26,1	− 0,157
1786	+	6	57	37,2	+ 0,290	1826	−	9	34	13,8	− 0,399
1787	+	1	8	49,4	+ 0,048	1827	−	15	23	1,4	− 0,641
1788	+	19	20	1,5	+ 0,806	1828	+	2	48	10,9	+ 0,117
1789	+	13	31	13,6	+ 0,563	1829	−	3	0	36,7	− 0,125

Tabula I. *continuata.*

1830	− 8 49 24,4	− 0,368		1840	+ 5 2 39,6	+ 0,210
1831	− 14 38 12,0	− 0,610		1841	− 0 46 8,0	− 0,032
1832	+ 3 33 0,4	+ 0,148		1842	− 6 34 55,6	− 0,274
1833	− 2 15 47,2	− 0,094		1843	− 12 23 43,1	− 0,516
1834	− 8 4 34,8	− 0,337		1844	+ 5 47 29,3	+ 0,241
1835	− 13 53 22,5	− 0,579		1845	− 0 1 18,2	− 0,001
1836	+ 4 17 49,9	+ 0,179		1846	− 5 50 5,8	− 0,243
1837	− 1 30 57,7	− 0,063		1847	− 11 38 53,3	− 0,485
1838	− 7 19 45,3	− 0,305		1848	+ 6 32 19,2	+ 0,272
1839	− 13 8 32,8	− 0,548		1849	+ 0 43 31,7	+ 0,030

Tabula II.

Reductionis diei ad annum fictum pars secunda = d.

Aboa	− 1 19 49,2	− 0,056
Altona	− 0 30 25,0	− 0,021
Berolinum	− 0 44 12,6	− 0,031
Brema	− 0 25 54,0	− 0,018
Dorpatum	− 1 37 33,5	− 0,068
Eblana	+ 0 34 36,0	+ 0,024
Florentia	− 0 35 42,0	− 0,025
Gotha (Seeberg)	− 0 33 34,9	− 0,023
Gottinga	− 0 30 25,0	− 0,021
Grenovicum	+ 0 9 21,6	+ 0,007
Hafnia	− 0 40 58,4	− 0,028
Manhemium	− 0 24 30,0	− 0,017
Massilia	− 0 12 7,5	− 0,008
Mediolanum	− 0 27 25,0	− 0,019
Monachium	− 0 37 4,9	− 0,026
Nicolaef	− 1 58 39,8	− 0,082
Panormus	− 0 44 7,0	− 0,031
Parisii	0 0 0,0	0,000
Regiomontum	− 1 12 39,0	− 0,050
Vienna	− 0 56 10,4	− 0,039

Reductio diei = k + d.

Tabula III.

Praecessio Aequinoctiorum media.

	Praecessio annua		Obliquitas Ecliptices	
	Lunisol.	General.	fixae pro 1750	verae
	″	″	° ′ ″	° ′ ″
1750	50,37572	50,21129	23 28 18,000	23 28 18,000
1760	50,37328	50,21373	18,001	28 13,163
1770	50,37085	50,21617	18,004	28 8,325
1780	50,36841	50,21862	18,009	28 3,487
1790	50,36598	50,22106	18,016	27 58,648
1800	50,36354	50,22350	18,025	27 53,809
1810	50,36110	50,22594	18,035	27 48,969
1820	50,35867	50,22839	18,048	27 44,129
1830	50,35623	50,23083	18,063	27 39,288
1840	50,35380	50,23328	18,080	27 34,447
1850	50,35136	50,23572	18,098	27 29,605

	m	n	Log. n	π	M
	″	″		″	° ′ ″
1750	46,02824	20,06442	1,30243	0,48892	171 36 10
1760	46,03133	20,06345	1,30241	0,48886	171 42 48
1770	46,03441	20,06248	1,30238	0,48880	171 49 26
1780	46,03750	20,06151	1,30236	0,48874	171 56 4
1790	46,04059	20,06054	1,30234	0,48867	172 2 42
1800	46,04367	20,05957	1,30232	0,48861	172 9 20
1810	46,04676	20,05860	1,30230	0,48855	172 15 57
1820	46,04984	20,05763	1,30228	0,48849	172 22 35
1830	46,05293	20,05666	1,30226	0,48843	172 29 13
1840	46,05601	20,05569	1,30224	0,48837	172 35 51
1850	46,05910	20,05472	1,30222	0,48831	172 42 29

Variationes annuae locorum stellarum fixarum inveniuntur secundum formulas sequentes:

A. R. . α ..... $m + n \sin\alpha \tan\delta$.

Decl. . δ ..... $n \cos\alpha$.

Long.. l ..... $\pi \cos(l - M) \tan b$ + Praeccss. generalis.

Lat. . b ..... $- \pi \sin(l - M)$.

Tabula IV.

Nutatio Lunaris puncti aequinoctialis pro Longitudine et Adscensione recta, atque Obliquitas Ecliptices media addita Nutationi Lunari.

		Long.	A. R.	Obl. Ecl.			Long.	A. R.	Obl. Ecl.
		"	"	° ′ "			"	"	° ′ "
1750	Jan. 0	+16,44	+1,005	23 28 19,34	1758	Jan. 0	—13,84	—0,846	23 28 8,80
	Apr. 10	+16,69	+1,020	18,40		Apr. 10	—14,67	—0,897	9,5[illegible]
	Jul. 19	+16,79	+1,026	17,45		Jul. 19	—15,36	—0,939	10,0[illegible]
	Oct. 27	+16,75	+1,024	16,50		Oct. 27	—15,92	—0,974	10,5[illegible]
	Dec. 66	+16,56	+1,013	15,54		Dec. 66	—16,35	—1,000	11,[illegible]
1751	Jan. 0	+16,64	+1,017	23 28 15,87	1759	Jan. 0	—16,22	—0,992	23 28 11,[illegible]
	Apr. 10	+16,36	+1,000	14,93		Apr. 10	—16,55	—1,012	11,[illegible]
	Jul. 19	+15,94	+0,975	14,00		Jul. 19	—16,74	—1,024	12,[illegible]
	Oct. 27	+15,38	+0,941	13,10		Oct. 27	—16,78	—1,027	13,1[illegible]
	Dec. 66	+14,68	+0,898	12,22		Dec. 66	—16,69	—1,021	13,[illegible]
1752	Jan. 1	+14,94	+0,914	23 28 12,52	1760	Jan. 1	—16,74	—1,024	23 28 15,[illegible]
	Apr. 10	+14,16	+0,866	11,67		Apr. 10	—16,55	—1,012	14,[illegible]
	Jul. 19	+13,26	+0,811	10,87		Jul. 19	—16,22	—0,992	15,0[illegible]
	Oct. 27	+12,24	+0,748	10,11		Oct. 27	—15,76	—0,963	15,[illegible]
	Dec. 66	+11,09	+0,678	9,39		Dec. 66	—15,15	—0,927	16,[illegible]
1753	Jan. 0	+11,50	+0,703	23 28 9,63	1761	Jan. 0	—15,57	—0,940	23 28 16,11
	Apr. 10	+10,30	+0,630	8,96		Apr. 10	—14,69	—0,898	16,7[illegible]
	Jul. 19	+ 9,01	+0,551	8,36		Jul. 19	—13,89	—0,850	17,[illegible]
	Oct. 27	+ 7,64	+0,467	7,82		Oct. 27	—12,98	—0,794	17,[illegible]
	Dec. 66	+ 6,19	+0,378	7,34		Dec. 66	—11,95	—0,731	18,[illegible]
1754	Jan. 0	+ 6,69	+0,409	23 28 7,50	1762	Jan. 0	—12,32	—0,753	23 28 18,15
	Apr. 10	+ 5,21	+0,319	7,07		Apr. 10	—11,23	—0,687	18,6[illegible]
	Jul. 19	+ 3,69	+0,226	6,73		Jul. 19	—10,06	—0,615	19,0[illegible]
	Oct. 27	+ 2,13	+0,130	6,46		Oct. 27	— 8,81	—0,539	19,3[illegible]
	Dec. 66	+ 0,54	+0,033	6,26		Dec. 66	— 7,47	—0,457	19,5[illegible]
1755	Jan. 0	+ 1,09	+0,066	23 28 6,32	1763	Jan. 0	— 7,94	—0,485	23 28 19,5[illegible]
	Apr. 10	— 0,50	—0,031	6,18		Apr. 10	— 6,57	—0,401	19,7[illegible]
	Jul. 19	— 2,08	—0,127	6,12		Jul. 19	— 5,16	—0,315	19,91
	Oct. 27	— 3,63	—0,222	6,14		Oct. 27	— 3,70	—0,226	20,0[illegible]
	Dec. 66	— 5,18	—0,317	6,23		Dec. 66	— 2,20	—0,135	20,0[illegible]
1756	Jan. 1	— 4,65	—0,286	23 28 6,19	1764	Jan. 1	— 2,72	—0,166	23 28 20,0[illegible]
	Apr. 10	— 6,15	—0,377	6,34		Apr. 10	— 1,22	—0,074	19,9[illegible]
	Jul. 19	— 7,59	—0,464	6,56		Jul. 19	+ 0,29	+0,018	19,8[illegible]
	Oct. 27	— 8,96	—0,548	6,85		Oct. 27	+ 1,79	+0,110	19,71
	Dec. 66	—10,27	—0,628	7,21		Dec. 66	+ 3,30	+0,202	19,[illegible]
1757	Jan. 0	— 9,33	—0,601	23 28 7,08	1765	Jan. 0	+ 2,79	+0,170	23 28 19,56
	Apr. 10	—11,07	—0,677	7,48		Apr. 10	+ 4,27	+0,261	19,3[illegible]
	Jul. 19	—12,20	—0,746	7,94		Jul. 19	+ 5,70	+0,349	18,90
	Oct. 27	—13,22	—0,809	8,44		Oct. 27	+ 7,10	+0,434	18,46
	Dec. 66	—14,14	—0,865	8,99		Dec. 66	+ 8,46	+0,517	17,95

Tabula IV. *continuata.*

		Long.	A. R.	Obl. Ecl.			Long.	A. R.	Obl. Ecl.
		″	″	° ′ ″			″	″	° ′ ″
1766	Jan. 0	+ 8,00	+0,489	23 28 18,15	1775	Jan. 0	— 6,76	—0,413	23 27 57,91
	Apr. 10	+ 9,30	+0,569	17,60		Apr. 10	— 8,18	—0,500	58,17
	Jul. 19	+10,52	+0,643	16,98		Jul. 19	— 9,51	—0,582	58,48
	Oct. 27	+11,66	+0,713	16,32		Oct. 27	—10,77	—0,659	58,85
	Dec. 66	+12,71	+0,778	15,59		Dec. 66	—11,94	—0,730	59,31
1767	Jan. 0	+12,36	+0,756	23 28 15,84	1776	Jan. 1	—11,55	—0,706	23 27 59,15
	Apr. 10	+13,34	+0,816	15,09		Apr. 10	—12,64	—0,773	59,63
	Jul. 19	+14,21	+0,869	14,29		Jul. 19	—13,62	—0,833	28 0,15
	Oct. 27	+14,97	+0,915	13,45		Oct. 27	—14,47	—0,885	0,73
	Dec. 66	+15,60	+0,954	12,57		Dec. 66	—15,21	—0,930	1,35
1768	Jan. 1	+15,40	+0,942	23 28 12,88	1777	Jan. 0	—14,97	—0,916	23 28 1,13
	Apr. 10	+15,95	+0,975	11,98		Apr. 10	—15,61	—0,955	1,77
	Jul. 19	+16,36	+1,000	11,06		Jul. 19	—16,12	—0,986	2,45
	Oct. 27	+16,64	+1,017	10,13		Oct. 27	—16,48	—1,008	3,11
	Dec. 66	+16,77	+1,026	9,17		Dec. 66	—16,71	—1,022	3,81
1769	Jan. 0	+16,74	+1,024	23 28 9,50	1778	Jan. 0	—16,65	—1,018	23 28 3,57
	Apr. 10	+16,79	+1,026	8,55		Apr. 10	—16,78	—1,026	4,28
	Jul. 19	+16,69	+1,020	7,60		Jul. 19	—16,76	—1,025	4,98
	Oct. 27	+16,44	+1,005	6,65		Oct. 27	—16,61	—1,015	5,67
	Dec. 66	+16,05	+0,982	5,72		Dec. 66	—16,31	—0,997	6,36
1770	Jan. 0	+16,20	+0,991	23 28 6,04	1779	Jan. 0	—16,43	—1,005	23 28 6,13
	Apr. 10	+15,72	+0,961	5,12		Apr. 10	—16,04	—0,981	6,80
	Jul. 19	+15,11	+0,924	4,23		Jul. 19	—15,52	—0,949	7,45
	Oct. 27	+14,36	+0,878	3,37		Oct. 27	—14,87	—0,909	8,07
	Dec. 66	+13,48	+0,825	2,55		Dec. 66	—14,09	—0,862	8,66
1771	Jan. 0	+13,80	+0,844	23 28 2,82	1780	Jan. 1	—14,37	—0,879	23 28 8,46
	Apr. 10	+12,84	+0,785	2,03		Apr. 10	—13,52	—0,827	9,02
	Jul. 19	+11,78	+0,720	1,30		Jul. 19	—12,57	—0,769	9,53
	Oct. 27	+10,60	+0,648	0,62		Oct. 27	—11,51	—0,704	9,99
	Dec. 66	+ 9,32	+0,570	27 59,99		Dec. 66	—10,35	—0,633	10,41
1772	Jan. 1	+ 9,77	+0,598	23 28 0,20	1781	Jan. 0	—10,76	—0,658	23 28 10,27
	Apr. 10	+ 8,44	+0,516	27 59,61		Apr. 10	— 9,54	—0,584	10,64
	Jul. 19	+ 7,05	+0,431	59,10		Jul. 19	— 8,26	—0,505	10,95
	Oct. 27	+ 5,58	+0,341	58,66		Oct. 27	— 6,91	—0,423	11,19
	Dec. 66	+ 4,05	+0,248	58,30		Dec. 66	— 5,50	—0,336	11,37
1773	Jan. 0	+ 4,58	+0,280	23 27 58,41	1782	Jan. 0	— 5,99	—0,366	23 28 11,32
	Apr. 10	+ 3,03	+0,186	58,10		Apr. 10	— 4,55	—0,278	11,45
	Jul. 19	+ 1,47	+0,090	57,86		Jul. 19	— 3,08	—0,189	11,51
	Oct. 27	— 0,11	—0,007	57,70		Oct. 27	— 1,59	—0,097	11,50
	Dec. 66	— 1,70	—0,104	57,62		Dec. 66	— 0,07	—0,004	11,42
1774	Jan. 0	— 1,16	—0,071	23 27 57,64	1783	Jan. 0	— 0,59	—0,036	23 28 11,45
	Apr. 10	— 3,74	—0,167	57,61		Apr. 10	+ 0,92	+0,056	11,32
	Jul. 19	— 4,28	—0,262	57,66		Jul. 19	+ 2,42	+0,148	11,11
	Oct. 27	— 5,79	—0,354	57,79		Oct. 27	+ 3,90	+0,238	10,83
	Dec. 66	— 7,26	—0,444	57,99		Dec. 66	+ 5,37	+0,328	10,48

Tabula IV. *continuata.*

		Long.	A. R.	Obl. Ecl.			Long.	A. R.	Obl. Ecl.
		"	"	° ′ "			"	"	° ′ "
1784	Jan. 1	+ 4,87	+0,298	23 28 10,61	1793	Jan. 0	— 3,38	—0,207	23 27 49.[illegible]
	Apr. 10	+ 6,80	+0,385	10,22		Apr. 10	— 4,92	—0,301	49.[illegible]
	Jul. 19	+ 7,67	+0,469	9,75		Jul. 19	— 6,40	—0,391	49.[illegible]
	Oct. 27	+ 8,98	+0,549	9,22		Oct. 27	— 7,83	—0,479	49.[illegible]
	Dec. 66	+10,24	+0,626	8,61		Dec. 66	— 9,20	—0,563	49.[illegible]
1785	Jan. 0	+ 9,82	+0,600	23 28 8,83	1794	Jan. 0	— 8,74	—0,535	23 27 49.[illegible]
	Apr. 10	+11,01	+0,673	8,20		Apr. 10	—10,09	—0,615	50.[illegible]
	Jul. 19	+12,11	+0,740	7,51		Jul. 19	—11,27	—0,689	50.[illegible]
	Oct. 27	+13,11	+0,802	6,77		Oct. 27	—12,38	—0,757	50.[illegible]
	Dec. 66	+14,02	+0,857	5,98		Dec. 66	—13,40	—0,819	51.[illegible]
1786	Jan. 0	+13,72	+0,839	23 28 6,26	1795	Jan. 0	—13,06	—0,799	23 27 51.[illegible]
	Apr. 10	+14,55	+0,889	5,44		Apr. 10	—13,99	—0,856	51.[illegible]
	Jul. 19	+15,25	+0,932	4,59		Jul. 19	—14,79	—0,905	52.[illegible]
	Oct. 27	+15,82	+0,968	3,70		Oct. 27	—15,46	—0,946	53.[illegible]
	Dec. 66	+16,27	+0,995	2,78		Dec. 66	—16,01	—0,979	53.[illegible]
1787	Jan. 0	+16,13	+0,987	23 28 3,10	1796	Jan. 1	—15,84	—0,969	23 27 53.[illegible]
	Apr. 10	+16,49	+1,009	2,17		Apr. 10	—16,29	—0,996	54.[illegible]
	Jul. 19	+16,71	+1,022	1,23		Jul. 19	—16,59	—1,015	54.[illegible]
	Oct. 27	+16,79	+1,027	0,28		Oct. 27	—16,76	—1,025	55.[illegible]
	Dec. 66	+16,72	+1,023	27 59,32		Dec. 66	—16,78	—1,026	56.[illegible]
1788	Jan. 1	+16,76	+1,025	23 27 59,65	1797	Jan. 0	—16,79	—1,027	23 27 56.[illegible]
	Apr. 10	+16,60	+1,015	58,70		Apr. 10	—16,71	—1,022	56.[illegible]
	Jul. 19	+16,30	+0,997	57,76		Jul. 19	—16,50	—1,009	57.[illegible]
	Oct. 27	+15,85	+0,970	56,84		Oct. 27	—16,14	—0,987	58.[illegible]
	Dec. 66	+15,27	+0,934	55,93		Dec. 66	—15,65	—0,957	58.[illegible]
1789	Jan. 0	+15,49	+0,947	23 27 56,24	1798	Jan. 0	—15,84	—0,969	23 27 58.[illegible]
	Apr. 10	+14,81	+0,906	55,36		Apr. 10	—15,26	—0,934	59.[illegible]
	Jul. 19	+14,01	+0,857	54,52		Jul. 19	—14,56	—0,891	59.[illegible]
	Oct. 27	+13,09	+0,801	53,71		Oct. 27	—13,74	—0,841	28 0.[illegible]
	Dec. 66	+12,04	+0,736	52,96		Dec. 66	—12,80	—0,785	0,91
1790	Jan. 0	+12,41	+0,759	23 27 53,22	1799	Jan. 0	—13,14	—0,804	23 28 0.[illegible]
	Apr. 10	+11,80	+0,691	52,50		Apr. 10	—12,14	—0,742	1.[illegible]
	Jul. 19	+10,09	+0,617	51,84		Jul. 19	—11,04	—0,675	1.[illegible]
	Oct. 27	+ 8,79	+0,537	51,25		Oct. 27	— 9,85	—0,602	2.[illegible]
	Dec. 66	+ 7,39	+0,452	50,71		Dec. 66	— 8,58	—0,524	2.[illegible]
1791	Jan. 0	+ 7,87	+0,481	23 27 50,89	1800	Jan. 0	— 9,02	—0,552	23 28 2.[illegible]
	Apr. 10	+ 6,44	+0,394	50,40		Apr. 10	— 7,70	—0,471	2.[illegible]
	Jul. 19	+ 4,96	+0,303	50,00		Jul. 19	— 6,38	—0,387	2.[illegible]
	Oct. 27	+ 3,43	+0,209	49,66		Oct. 27	— 4,91	—0,300	2.[illegible]
	Dec. 66	+ 1,85	+0,113	49,40		Dec. 66	— 3,43	—0,210	3,00
1792	Jan. 1	+ 2,39	+0,146	23 27 49,48	1801	Jan. 0	— 3,95	—0,241	23 28 2.[illegible]
	Apr. 10	+ 0,81	+0,050	49,28		Apr. 10	— 2,46	—0,150	3,01
	Jul. 19	— 0,77	—0,047	49,15		Jul. 19	— 0,96	—0,059	2.[illegible]
	Oct. 27	— 2,34	—0,143	49,10		Oct. 27	+ 0,55	+0,033	2.[illegible]
	Dec. 66	— 3,91	—0,239	49,14		Dec. 66	+ 2,07	+0,126	2,66

Tabula IV. *continuata.*

		Long.	A. R.	Obl. Ecl.			Long.	A. R.	Obl. Ecl.
		′	″	° ′ ″			″	″	° ′ ″
1802	Jan. 0	+ 1,55	+0,095	23 28 2,74	1811	Jan. 0	+ 0,15	+0,009	23 27 40,71
	Apr. 10	+ 3,05	+0,186	2,50		Apr. 10	— 1,44	—0,088	40,62
	Jul. 19	+ 4,51	+0,276	2,19		Jul. 19	— 3,00	—0,183	40,60
	Oct. 27	+ 5,95	+0,364	1,81		Oct. 27	— 4,54	—0,277	40,67
	Dec. 66	+ 7,35	+0,450	1,36		Dec. 66	— 6,05	—0,370	40,81
1803	Jan. 0	+ 6,87	+0,420	23 28 1,52	1812	Jan. 1	— 5,54	—0,339	23 27 40,75
	Apr. 10	+ 8,23	+0,503	1,03		Apr. 10	— 7,01	—0,429	40,94
	Jul. 19	+ 9,52	+0,582	0,48		Jul. 19	— 8,41	—0,514	41,20
	Oct. 27	+10,72	+0,656	27 59,86		Oct. 27	— 9,73	—0,595	41,53
	Dec. 66	+11,86	+0,725	59,18		Dec. 66	—10,96	—0,670	41,92
1804	Jan. 1	+11,48	+0,702	23 27 59,42	1813	Jan. 0	—10,54	—0,645	23 27 41,78
	Apr. 10	+12,54	+0,767	58,70		Apr. 10	—11,74	—0,718	42,21
	Jul. 19	+13,50	+0,826	57,94		Jul. 19	—12,82	—0,784	42,70
	Oct. 27	+14,35	+0,878	57,13		Oct. 27	—13,77	—0,841	43,24
	Dec. 66	+15,09	+0,923	56,28		Dec. 66	—14,62	—0,894	43,82
1805	Jan. 0	+14,85	+0,908	23 27 56,58	1814	Jan. 0	—14,34	—0,877	23 27 43,62
	Apr. 10	+15,51	+0,948	55,71		Apr. 10	—15,09	—0,923	44,23
	Jul. 19	+16,05	+0,980	54,81		Jul. 19	—15,71	—0,961	44,86
	Oct. 27	+16,42	+1,004	53,89		Oct. 27	—16,19	—0,990	45,53
	Dec. 66	+16,67	+1,020	52,94		Dec. 66	—16,54	—1,011	46,22
1806	Jan. 0	+16,60	+1,015	23 27 53,27	1815	Jan. 0	—16,43	—1,005	23 27 45,98
	Apr. 10	+16,76	+1,025	52,32		Apr. 10	—16,68	—1,020	46,68
	Jul. 19	+16,78	+1,026	51,37		Jul. 19	—16,79	—1,026	47,38
	Oct. 27	+16,65	+1,019	50,42		Oct. 27	—16,75	—1,024	48,08
	Dec. 66	+16,38	+1,002	49,47		Dec. 66	—16,56	—1,013	48,78
1807	Jan. 0	+16,49	+1,009	23 27 49,80	1816	Jan. 1	—16,64	—1,018	23 27 48,54
	Apr. 10	+16,13	+0,987	48,86		Apr. 10	—16,37	—1,001	49,23
	Jul. 19	+15,63	+0,956	47,95		Jul. 19	—15,96	—0,976	49,90
	Oct. 27	+14,99	+0,917	47,07		Oct. 27	—15,42	—0,943	50,54
	Dec. 66	+14,22	+0,869	46,21		Dec. 66	—14,74	—0,901	51,17
1808	Jan. 1	+14,50	+0,887	23 27 46,50	1817	Jan. 0	—14,99	—0,917	23 27 50,96
	Apr. 10	+13,64	+0,834	45,67		Apr. 10	—14,23	—0,871	51,55
	Jul. 19	+12,67	+0,775	44,89		Jul. 19	—13,37	—0,818	52,10
	Oct. 27	+11,58	+0,708	44,17		Oct. 27	—12,39	—0,758	52,60
	Dec. 66	+10,38	+0,635	43,49		Dec. 66	—11,31	—0,692	53,06
1809	Jan. 0	+10,80	+0,661	23 27 43,71	1818	Jan. 0	—11,69	—0,715	23 27 52,91
	Apr. 10	+ 9,55	+0,584	43,08		Apr. 10	—10,55	—0,645	53,33
	Jul. 19	+ 8,21	+0,502	42,51		Jul. 19	— 9,33	—0,571	53,69
	Oct. 27	+ 6,80	+0,416	42,01		Oct. 27	— 8,04	—0,492	53,98
	Dec. 66	+ 5,31	+0,325	41,58		Dec. 66	— 6,66	—0,408	54,22
1810	Jan. 0	+ 5,83	+0,356	23 27 41,72	1819	Jan. 0	— 7,14	—0,437	23 27 54,15
	Apr. 10	+ 4,35	+0,264	41,34		Apr. 10	— 5,74	—0,351	54,34
	Jul. 19	+ 2,77	+0,170	41,04		Jul. 19	— 4,30	—0,263	54,45
	Oct. 27	+ 1,20	+0,074	40,81		Oct. 27	— 2,83	—0,173	54,49
	Dec. 66	— 0,40	—0,024	40,67		Dec. 66	— 1,32	—0,081	54,48

Tabula IV. *continuata.*

		Long.	A. R.	Obl. Ecl.			Long.	A. R.	Obl. Ecl.
		"	"	° ′ ″			"	"	° ′ ″
1820	Jan. 1	— 1,84	—0,112	23 27 54,50	1829	Jan. 0	+ 3,68	+0,225	23 27 32,70
	Apr. 10	— 0,33	—0,020	54,42		Apr. 10	+ 2,11	+0,129	32,43
	Jul. 19	+ 1,18	+0,072	54,28		Jul. 19	+ 0,54	+0,033	32,24
	Oct. 27	+ 2,68	+0,164	54,06		Oct. 27	— 1,04	—0,064	32,12
	Dec. 66	+ 4,17	+0,255	53,77		Dec. 66	— 2,63	—0,161	32,09
1821	Jan. 0	+ 3,66	+0,224	23 27 53,88	1830	Jan. 0	— 2,09	—0,128	23 27 32,10
	Apr. 10	+ 5,12	+0,313	53,54		Apr. 10	— 3,65	—0,223	32,11
	Jul. 19	+ 6,53	+0,400	53,13		Jul. 19	— 5,17	—0,316	32,21
	Oct. 27	+ 7,90	+0,483	52,65		Oct. 27	— 6,65	—0,407	32,38
	Dec. 66	+ 9,22	+0,564	52,11		Dec. 66	— 8,08	—0,494	32,63
1822	Jan. 0	+ 8,77	+0,536	23 27 52,80	1831	Jan. 0	— 7,60	—0,465	23 27 32,53
	Apr. 10	+10,08	+0,618	51,71		Apr. 10	— 8,98	—0,550	32,82
	Jul. 19	+11,20	+0,685	51,08		Jul. 19	—10,26	—0,628	33,18
	Oct. 27	+12,28	+0,751	50,38		Oct. 27	—11,46	—0,701	33,59
	Dec. 66	+13,28	+0,812	49,62		Dec. 66	—12,57	—0,769	34,07
1823	Jan. 0	+12,95	+0,792	23 27 49,89	1832	Jan. 1	—12,20	—0,746	23 27 33,90
	Apr. 10	+13,87	+0,848	49,10		Apr. 10	—13,23	—0,809	34,41
	Jul. 19	+14,67	+0,897	48,28		Jul. 19	—14,14	—0,864	34,97
	Oct. 27	+15,35	+0,939	47,42		Oct. 27	—14,92	—0,912	35,56
	Dec. 66	+15,92	+0,973	46,52		Dec. 66	—15,58	—0,953	36,20
1824	Jan. 1	+15,74	+0,962	23 27 46,84	1833	Jan. 0	—15,37	—0,940	23 27 35,98
	Apr. 10	+16,21	+0,991	45,92		Apr. 10	—15,93	—0,974	36,64
	Jul. 19	+16,54	+1,011	45,00		Jul. 19	—16,35	—1,000	37,31
	Oct. 27	+16,73	+1,023	44,05		Oct. 27	—16,63	—1,017	38,00
	Dec. 66	+16,79	+1,027	43,09		Dec. 66	—16,77	—1,026	38,71
1825	Jan. 0	+16,79	+1,026	23 27 43,42	1834	Jan. 0	—16,74	—1,024	23 27 38,46
	Apr. 10	+16,74	+1,024	42,47		Apr. 10	—16,78	—1,026	39,17
	Jul. 19	+16,56	+1,013	41,52		Jul. 19	—16,69	—1,020	39,87
	Oct. 27	+16,23	+0,993	40,59		Oct. 27	—16,45	—1,006	40,56
	Dec. 66	+15,76	+0,964	39,67		Dec. 66	—16,07	—0,983	41,24
1826	Jan. 0	+15,94	+0,975	23 27 39,98	1835	Jan. 0	—16,21	—0,992	23 27 41,01
	Apr. 10	+15,38	+0,940	39,07		Apr. 10	—15,75	—0,963	41,67
	Jul. 19	+14,69	+0,898	38,20		Jul. 19	—15,15	—0,927	42,30
	Oct. 27	+13,86	+0,848	37,37		Oct. 27	—14,43	—0,883	42,90
	Dec. 66	+12,91	+0,789	36,57		Dec. 66	—13,57	—0,831	43,47
1827	Jan. 0	+13,25	+0,810	23 27 36,84	1836	Jan. 1	—13,89	—0,849	23 27 43,98
	Apr. 10	+12,22	+0,748	36,07		Apr. 10	—12,97	—0,793	45,81
	Jul. 19	+11,10	+0,679	35,37		Jul. 19	—11,96	—0,731	44,29
	Oct. 27	+ 9,87	+0,604	34,72		Oct. 27	—10,84	—0,663	44,72
	Dec. 66	+ 8,54	+0,522	34,13		Dec. 66	— 9,63	—0,589	45,10
1828	Jan. 1	+ 9,00	+0,551	23 27 34,83	1837	Jan. 0	—10,05	—0,615	23 27 44,98
	Apr. 10	+ 7,63	+0,467	33,79		Apr. 10	— 8,80	—0,538	45,31
	Jul. 19	+ 6,19	+0,379	33,32		Jul. 19	— 7,48	—0,457	45,58
	Oct. 27	+ 4,70	+0,287	32,92		Oct. 27	— 6,09	—0,373	45,79
	Dec. 66	+ 3,14	+0,192	32,60		Dec. 66	— 4,65	—0,284	45,98

Tabula IV. *continuata.*

		Long.	A. R.	Obl. Ecl.			Long.	A. R.	Obl. Ecl.
		"	"	° ′ ″			"	"	° ′ ″
1838	Jan. 0	— 5,15	—0,315	23 27 45,89	1844	Jan. 1	+16,68	+1,020	23 27 33,57
	Apr. 10	— 3,69	—0,226	45,98		Apr. 10	+16,44	+1,005	32,62
	Jul. 19	— 2,21	—0,135	46,00		Jul. 19	+16,05	+0,982	31,69
	Oct. 27	— 0,70	—0,043	45,94		Oct. 27	+15,53	+0,950	30,79
	Dec. 66	+ 0,82	+0,050	45,81		Dec. 66	+14,86	+0,909	29,90
1839	Jan. 0	+ 0,30	+0,018	23 27 45,87	1845	Jan. 0	+15,11	+0,924	23 27 30,20
	Apr. 10	+ 1,81	+0,111	45,69		Apr. 10	+14,36	+0,878	29,34
	Jul. 19	+ 3,30	+0,202	45,44		Jul. 19	+13,48	+0,825	28,52
	Oct. 27	+ 4,76	+0,291	45,12		Oct. 27	+12,49	+0,764	27,75
	Dec. 66	+ 6,20	+0,379	44,72		Dec. 66	+11,37	+0,696	27,03
1840	Jan. 1	+ 5,71	+0,349	23 27 44,87	1846	Jan. 0	+11,77	+0,720	23 27 27,27
	Apr. 10	+ 7,11	+0,435	44,43		Apr. 10	+10,59	+0,648	26,59
	Jul. 19	+ 8,45	+0,517	43,93		Jul. 19	+ 9,33	+0,570	25,97
	Oct. 27	+ 9,72	+0,595	43,36		Oct. 27	+ 7,98	+0,488	25,41
	Dec. 66	+10,93	+0,669	42,73		Dec. 66	+ 6,54	+0,400	24,92
1841	Jan. 0	+10,53	+0,644	23 27 42,95	1847	Jan. 0	+ 7,04	+0,430	23 27 25,08
	Apr. 10	+11,67	+0,713	42,28		Apr. 10	+ 5,57	+0,340	24,64
	Jul. 19	+12,71	+0,777	41,56		Jul. 19	+ 4,06	+0,248	24,27
	Oct. 27	+13,65	+0,835	40,79		Oct. 27	+ 2,51	+0,153	23,98
	Dec. 66	+14,49	+0,886	39,98		Dec. 66	+ 0,92	+0,056	23,77
1842	Jan. 0	+14,22	+0,869	23 27 40,26	1848	Jan. 1	+ 1,46	+0,090	23 27 23,83
	Apr. 10	+14,97	+0,916	39,41		Apr. 10	— 0,12	—0,007	23,67
	Jul. 19	+15,60	+0,954	38,54		Jul. 19	— 1,70	—0,104	23,60
	Oct. 27	+16,10	+0,985	37,64		Oct. 27	— 3,26	—0,200	23,59
	Dec. 66	+16,47	+1,007	36,71		Dec. 66	— 4,82	—0,295	23,67
1843	Jan. 0	+16,36	+1,001	23 27 37,03	1849	Jan. 0	— 4,29	—0,262	23 27 23,64
	Apr. 10	+16,64	+1,018	36,09		Apr. 10	— 5,80	—0,355	23,77
	Jul. 19	+16,77	+1,026	35,15		Jul. 19	— 7,25	—0,443	23,97
	Oct. 27	+16,77	+1,025	34,20		Oct. 27	— 8,64	—0,528	24,24
	Dec. 66	+16,62	+1,016	33,24		Dec. 66	— 9,97	—0,610	24,58

Obliquitas Ecliptices media, in hac tabula adhibita.

	° ′ ″
1750	23 28 17,65
1760	28 13,08
1770	28 8,51
1780	28 3,94
1790	27 59,37
1800	27 54,80
1810	27 50,23
1820	27 45,66
1830	27 41,09
1840	27 36,52
1850	27 31,95

Anni	Variat.
	"
1	— 0,457
2	— 0,914
3	— 1,371
4	— 1,828
5	— 2,285
6	— 2,742
7	— 3,199
8	— 3,656
9	— 4,113
10	— 4,570

Tabula V.

Nutatio Solaris in Longitudine atque Obliquitate Ecliptices.

	Long.	Obl.
	"	"
Jan. 0	+ 0,46	— 0,54
10	+ 0,87	— 0,44
20	+ 1,17	— 0,28
30	+ 1,32	— 0,09
Febr. 9	+ 1,31	+ 0,11
19	+ 1,14	+ 0,30
Mart. 1	+ 0,83	+ 0,45
11	+ 0,42	+ 0,55
21	— 0,04	+ 0,58
31	— 0,48	+ 0,54
Apr. 10	— 0,88	+ 0,44
20	— 1,16	+ 0,29
30	— 1,32	+ 0,10
Maj. 10	— 1,32	— 0,09
20	— 1,17	— 0,28
30	— 0,90	— 0,43
Jun. 9	— 0,53	— 0,53
19	— 0,10	— 0,58
29	+ 0,35	— 0,56
Jul. 9	+ 0,75	— 0,48
19	+ 1,07	— 0,35
29	+ 1,27	— 0,18
Aug. 8	+ 1,34	+ 0,01
18	+ 1,25	+ 0,20
28	+ 1,02	+ 0,37
Sept. 7	+ 0,68	+ 0,50
17	+ 0,26	+ 0,57
27	— 0,20	+ 0,57
Oct. 7	— 0,68	+ 0,51
17	— 0,99	+ 0,39
27	— 1,24	+ 0,22
Nov. 6	— 1,34	+ 0,02
16	— 1,27	— 0,18
26	— 1,05	— 0,36
Dec. 6	— 0,70	— 0,50
16	— 0,26	— 0,57
26	+ 0,22	— 0,57
36	+ 0,66	— 0,50

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabula VI.

Adscensio recta media Solis pro mediis meridiebus anni ficti, addita Nutatione Solari.

	Januarius.	Februarius.	Martius.	Aprilis.
	h ′ ″	h ′ ″	h ′ ″	h ′ ″
0	18 40 0,028	20 42 13,297	22 32 36,818	0 34 49,952
1	43 56,586	46 9,853	36 33,372	38 46,504
2	47 53,144	50 6,408	40 29,925	42 43,057
3	51 49,702	54 2,963	44 26,478	46 39,610
4	55 46,260	57 59,519	48 23,031	50 36,163
5	59 42,818	21 1 56,074	52 19,584	54 32,716
6	19 3 39,376	5 52,629	56 16,136	58 29,269
7	7 35,933	9 49,184	23 0 12,689	1 2 25,822
8	11 32,491	13 45,739	4 9,242	6 22,375
9	15 29,049	17 42,294	8 5,795	10 18,928
10	19 25,606	21 38,849	12 2,347	14 15,481
11	23 22,164	25 35,403	15 58,900	18 12,035
12	27 18,721	29 31,958	19 55,453	22 8,588
13	31 15,279	33 28,512	23 52,005	26 5,141
14	35 11,836	37 25,067	27 48,558	30 1,695
15	39 8,393	41 21,621	31 45,110	33 58,248
16	43 4,950	45 18,175	35 41,663	37 54,802
17	47 1,508	49 14,729	39 38,216	41 51,356
18	50 58,065	53 11,283	43 34,768	45 47,909
19	54 54,621	57 7,837	47 31,321	49 44,463
20	58 51,178	22 1 4,391	51 27,873	53 41,017
21	20 2 47,735	5 0,945	55 24,426	57 37,571
22	6 44,292	8 57,498	59 20,978	2 1 34,125
23	10 40,848	12 54,052	0 3 17,530	5 30,679
24	14 37,405	16 50,605	7 14,083	9 27,234
25	18 33,961	20 47,159	11 10,636	13 23,788
26	22 30,517	24 43,712	15 7,188	17 20,343
27	26 27,073	28 40,265	19 3,741	21 16,897
28	30 23,629	32 36,818	23 0,294	25 13,452
29	34 20,185		26 56,846	29 10,006
30	38 16,741		30 53,399	33 6,561
31	42 13,297		34 49,952	

In mens. Jan. et Febr. annorum bissext. legitur dies insequens.

Tabula VI. *continuata.*

Adscensio recta media Solis, pro mediis meridiebus anni ficti, addita Nutatione Solari.

	Majus.	Junius.	Julius.	Augustus.
	h ′ ″	h ′ ″	h ′ ″	h ′ ″
0	2 33 6,561	4 35 19,804	6 33 36,541	8 35 49,313
1	37 3,116	39 16,362	37 33,099	39 46,369
2	40 59,671	43 12,919	41 29,657	43 42,925
3	44 56,226	47 9,477	45 26,215	47 39,480
4	48 52,781	51 6,035	49 22,773	51 36,036
5	52 49,337	55 2,592	53 19,331	55 32,592
6	56 45,892	58 59,150	57 15,889	59 29,147
7	3 0 42,448	5 2 55,708	7 1 12,446	9 3 25,702
8	4 39,003	6 52,265	5 9,004	7 22,258
9	8 35,559	10 48,823	9 5,562	11 18,813
10	12 32,114	14 45,381	13 2,119	15 15,368
11	16 28,670	18 41,939	16 58,677	19 11,923
12	20 25,226	22 38,497	20 55,234	23 8,478
13	24 21,782	26 35,055	24 51,792	27 5,033
14	28 18,338	30 31,613	28 48,349	31 1,588
15	32 14,895	34 28,171	32 44,906	34 58,143
16	36 11,451	38 24,729	36 41,463	38 54,697
17	40 8,007	42 21,287	40 38,021	42 51,252
18	44 4,564	46 17,845	44 34,578	46 47,806
19	48 1,120	50 14,403	48 31,135	50 44,361
20	51 57,677	54 10,961	52 27,692	54 40,915
21	55 54,233	58 7,519	56 24,249	58 37,469
22	59 50,790	6 2 4,077	8 0 20,805	10 2 34,023
23	4 3 47,347	6 0,635	4 17,362	6 30,577
24	7 43,904	9 57,193	8 13,919	10 27,131
25	11 40,461	13 53,751	12 10,475	14 23,686
26	15 37,018	17 50,309	16 7,032	18 20,239
27	19 33,575	21 46,867	20 3,588	22 16,792
28	23 30,132	25 43,426	24 0,144	26 13,346
29	27 26,690	29 39,984	27 56,701	30 9,899
30	31 23,247	33 36,541	31 53,257	34 6,453
31	35 19,804		35 49,813	38 3,006

Tabula VI. *continuata.*

Adscensio recta media Solis, pro mediis meridiebus anni ficti, addita Nutatione Solari.

	September.	October.	November.	December.
	h ′ ″	h ′ ″	h ′ ″	h ′ ″
0	10 38 5,006	12 36 19,590	14 38 32,746	16 36 49,430
1	41 59,560	40 16,142	42 29,301	40 45,987
2	45 56,113	44 12,695	46 25,856	44 42,545
3	49 52,666	48 9,248	50 22,411	48 39,102
4	53 49,219	52 5,800	54 18,966	52 35,660
5	57 45,772	56 2,353	58 15,521	56 32,218
6	11 1 42,326	59 58,906	15 2 12,076	17 0 28,775
7	5 38,878	13 3 55,459	6 8,631	4 25,333
8	9 35,431	7 52,012	10 5,187	8 21,891
9	13 31,984	11 48,565	14 1,742	12 18,449
10	17 28,537	15 45,118	17 58,298	16 15,007
11	21 25,090	19 41,671	21 54,853	20 11,565
12	25 21,643	23 38,224	25 51,409	24 8,123
13	29 18,196	27 34,777	29 47,965	28 4,681
14	33 14,748	31 31,330	33 44,521	32 1,239
15	37 11,301	35 27,883	37 41,077	35 57,798
16	41 7,854	39 24,437	41 37,633	39 54,356
17	45 4,406	43 20,990	45 34,190	43 50,914
18	49 0,959	47 17,544	49 30,746	47 47,472
19	52 57,511	51 14,097	53 27,302	51 44,030
20	56 54,064	55 10,651	57 23,859	55 40,589
21	12 0 50,617	59 7,204	16 1 20,416	59 37,147
22	4 47,169	14 3 3,758	5 16,972	18 3 33,705
23	8 43,722	7 0,312	9 13,529	7 30,263
24	12 40,274	10 56,866	13 10,086	11 26,822
25	16 36,827	14 53,420	17 6,643	15 23,380
26	20 33,379	18 49,974	21 3,200	19 19,938
27	24 29,932	22 46,528	24 59,758	23 16,496
28	28 26,484	26 43,083	28 56,315	27 13,055
29	32 23,037	30 39,637	32 52,872	31 9,613
30	36 19,590	34 36,192	36 49,430	35 6,171
31		38 32,746		39 2,729

Tabula VII.

Motus Adscensionis rectae mediae Solis pro Horis, Minutis et Secundis et Temporis solaris medii et Temporis sideralis.

Horae temporis

h	med.	sid.
	′ ″	′ ″
0	0 0,000	0 0,000
1	0 9,856	0 9,830
2	0 19,713	0 19,659
3	0 29,569	0 29,489
4	0 39,426	0 39,318
5	0 49,282	0 49,148
6	0 59,139	0 58,977
7	1 8,995	1 8,807
8	1 18,852	1 18,636
9	1 28,708	1 28,466
10	1 38,565	1 38,296
11	1 48,421	1 48,125
12	1 58,278	1 57,955
13	2 8,134	2 7,784
14	2 17,991	2 17,614
15	2 27,847	2 27,443
16	2 37,704	2 37,273
17	2 47,560	2 47,103
18	2 57,417	2 56,932
19	3 7,273	3 6,762
20	3 17,129	3 16,591
21	3 26,986	3 26,421
22	3 36,842	3 36,250
23	3 46,699	3 46,080
24	3 56,555	3 55,909
25	4 6,412	4 5,739
26	4 16,268	4 15,569
27	4 26,125	4 25,398
28	4 35,981	4 35,228
29	4 45,838	4 45,057
30	4 55,694	4 54,887

Minuta temporis

′	med.	sid.
	″	″
1	0,164	0,164
2	0,329	0,328
3	0,493	0,491

Minuta temporis

′	med.	sid.
	″	″
4	0,657	0,655
5	0,821	0,819
6	0,986	0,983
7	1,150	1,147
8	1,314	1,311
9	1,478	1,474
10	1,643	1,638
11	1,807	1,802
12	1,971	1,966
13	2,136	2,130
14	2,300	2,294
15	2,464	2,457
16	2,628	2,621
17	2,793	2,785
18	2,957	2,949
19	3,121	3,113
20	3,285	3,277
21	3,450	3,440
22	3,614	3,604
23	3,778	3,768
24	3,943	3,932
25	4,107	4,096
26	4,271	4,259
27	4,435	4,423
28	4,600	4,587
29	4,764	4,751
30	4,928	4,915
31	5,093	5,079
32	5,257	5,242
33	5,421	5,406
34	5,585	5,570
35	5,750	5,734
36	5,914	5,898
37	6,078	6,062
38	6,242	6,225
39	6,407	6,389
40	6,571	6,553
41	6,735	6,717
42	6,900	6,881
43	7,064	7,045
44	7,228	7,208
45	7,392	7,372

Minuta temporis

′	med.	sid.
	″	″
46	7,557	7,536
47	7,721	7,700
48	7,885	7,864
49	8,049	8,027
50	8,214	8,191
51	8,378	8,355
52	8,542	8,519
53	8,707	8,683
54	8,871	8,847
55	9,035	9,010
56	9,199	9,174
57	9,364	9,338
58	9,528	9,502
59	9,692	9,666
60	9,856	9,830

Secunda temporis

″	med.	sid.
	″	″
1	0,003	0,003
2	0,005	0,005
3	0,008	0,008
4	0,011	0,011
5	0,014	0,014
6	0,016	0,016
7	0,019	0,019
8	0,022	0,022
9	0,025	0,025
10	0,027	0,027
11	0,030	0,030
12	0,033	0,033
13	0,036	0,035
14	0,038	0,038
15	0,041	0,041
16	0,044	0,044
17	0,047	0,046
18	0,049	0,049
19	0,052	0,052

Secunda temporis

″	med.	sid.
	″	″
20	0,055	0,055
21	0,057	0,057
22	0,060	0,060
23	0,063	0,063
24	0,066	0,066
25	0,068	0,068
26	0,071	0,071
27	0,074	0,074
28	0,077	0,076
29	0,079	0,079
30	0,082	0,082
31	0,085	0,085
32	0,088	0,087
33	0,090	0,090
34	0,093	0,093
35	0,096	0,096
36	0,099	0,098
37	0,101	0,101
38	0,104	0,104
39	0,107	0,106
40	0,110	0,109
41	0,112	0,112
42	0,115	0,115
43	0,118	0,117
44	0,120	0,120
45	0,123	0,123
46	0,126	0,126
47	0,129	0,128
48	0,131	0,131
49	0,134	0,134
50	0,137	0,137
51	0,140	0,139
52	0,142	0,142
53	0,145	0,145
54	0,148	0,147
55	0,151	0,150
56	0,153	0,153
57	0,156	0,156
58	0,159	0,158
59	0,162	0,161
60	0,164	0,164

Tabula VIII.

Valores quantitatum ad computationem locorum apparentium Stellarum fixarum generaliter inservientium,

pro Saeculo 1750 — 1850.

Tabella subsidiaria pro formatione argumenti Tabulae sequentis.

$g' =$ Tempus sidereum $+ 5^h 20'$.

Temp. sidereum. Horis	Grad.	g'	Temp. sidereum. Horis	Grad.	g'	Temp. sidereum. Horis	Grad.	g'
h ′	°		h ′	°		h ′	°	
18 40,0	280,0	0,00	2 35,2	38,8	0,33	10 30,4	157,6	0,66
54,4	283,6	0,01	49,6	42,4	0,34	44,8	161,2	0,67
19 8,8	287,2	0,02	3 4,0	46,0	0,35	59,2	164,8	0,68
23,2	290,8	0,03	18,4	49,6	0,36	11 13,6	168,4	0,69
37,6	294,4	0,04	32,8	53,2	0,37	28,0	172,0	0,70
52,0	298,0	0,05	47,2	56,8	0,38	42,4	175,6	0,71
20 6,4	301,6	0,06	4 1,6	60,4	0,39	56,8	179,2	0,72
20,8	305,2	0,07	16,0	64,0	0,40	12 11,2	182,8	0,73
35,2	308,8	0,08	30,4	67,6	0,41	25,6	186,4	0,74
49,6	312,4	0,09	44,8	71,2	0,42	40,0	190,0	0,75
21 4,0	316,0	0,10	59,2	74,8	0,43	54,4	193,6	0,76
18,4	319,6	0,11	5 13,6	78,4	0,44	13 8,8	197,2	0,77
32,8	323,2	0,12	28,0	82,0	0,45	23,2	200,8	0,78
47,2	326,8	0,13	42,4	85,6	0,46	37,6	204,4	0,79
22 1,6	330,4	0,14	56,8	89,2	0,47	52,0	208,0	0,80
16,0	334,0	0,15	6 11,2	92,8	0,48	14 6,4	211,6	0,81
30,4	337,6	0,16	25,6	96,4	0,49	20,8	215,2	0,82
44,8	341,2	0,17	40,0	100,0	0,50	35,2	218,8	0,83
59,2	344,8	0,18	54,4	103,6	0,51	49,6	222,4	0,84
23 13,6	348,4	0,19	7 8,8	107,2	0,52	15 4,0	226,0	0,85
28,0	352,0	0,20	23,2	110,8	0,53	18,4	229,6	0,86
42,4	355,6	0,21	37,6	114,4	0,54	32,8	233,2	0,87
56,8	359,2	0,22	52,0	118,0	0,55	47,2	236,8	0,88
0 11,2	2,8	0,23	8 6,4	121,6	0,56	16 1,6	240,4	0,89
25,6	6,4	0,24	20,8	125,2	0,57	16,0	244,0	0,90
40,0	10,0	0,25	35,2	128,8	0,58	30,4	247,6	0,91
54,4	13,6	0,26	49,6	132,4	0,59	44,8	251,2	0,92
1 8,8	17,2	0,27	9 4,0	136,0	0,60	59,2	254,8	0,93
23,2	20,8	0,28	18,4	139,6	0,61	17 13,6	258,4	0,94
37,6	24,4	0,29	32,8	143,2	0,62	28,0	262,0	0,95
52,0	28,0	0,30	47,2	146,8	0,63	42,4	265,6	0,96
2 6,4	31,6	0,31	10 1,6	150,4	0,64	56,8	269,2	0,97
20,8	35,2	0,32	16,0	154,0	0,65	18 11,2	272,8	0,98
35,2	38,8	0,33	30,4	157,6	0,66	25,6	276,4	0,99

Si locus fixae quaeritur pro tempore siderali $= g$, Argumentum Tabulae sequentis est:

dies reductus (*Tabb. I et II*) $+ g' + i$

$i = 0$ ab initio anni usque ad tempus ubi *A. R.* $\odot = g$, postea vero $= + 1$.

Tabula VIII.

1750.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. r	*E*
Jan. 0	9,5255	0,0599 n	0,5109 n	1,2998	— ∞	+ 0,06
10	9,5698	0,0682 n	0,8076 n	1,2789	8,4862	+ 0,07
20	9,6077	0,0958 n	0,9728 n	1,2424	8,7373	+ 0,07
30	9,6396	0,1330 n	1,0816 n	1,1876	8,9134	+ 0,07
Febr. 9	9,6663	0,1704 n	1,1571 n	1,1091	9,0383	+ 0,07
19	9,6886	0,2008 n	1,2094 n	0,9967	9,1352	+ 0,07
Mart. 1	9,7075	0,2195 n	1,2438 n	0,8263	9,2144	+ 0,07
11	9,7239	0,2283 n	1,2632 n	0,5178	9,2813	+ 0,07
21	9,7390	0,2098 n	1,2690 n	9,2860 n	9,3393	+ 0,06
31	9,7536	0,1765 n	1,2618 n	0,5630 n	9,3905	+ 0,06
Apr. 10	9,7686	0,1202 n	1,2415 n	0,8446 n	9,4362	+ 0,06
20	9,7845	0,0358 n	1,2068 n	1,0046 n	9,4776	+ 0,06
30	9,8016	9,9143 n	1,1557 n	1,1112 n	9,5154	+ 0,06
Maj. 10	9,8200	9,7359 n	1,0836 n	1,1861 n	9,5502	+ 0,06
20	9,8395	9,4442 n	0,9826 n	1,2390 n	9,5824	+ 0,06
30	9,8597	8,6256 n	0,8344 n	1,2750 n	9,6123	+ 0,06
Jun. 9	9,8801	9,1665	0,5880 n	1,2969 n	9,6404	+ 0,06
19	9,9002	9,4434	9,9110 n	1,3061 n	9,6667	+ 0,06
29	9,9195	9,5382	0,3546	1,3033 n	9,6915	+ 0,07
Jul. 9	9,9376	9.5461	0,7224	1,2883 n	9,7150	+ 0,07
19	9,9543	9,4842	0,9111	1,2601 n	9,7373	+ 0,07
29	9,9692	9,3401	1,0335	1,2170 n	9,7585	+ 0,07
Aug. 8	9,9825	9,0480	1,1193	1,1553 n	9,7787	+ 0,07
18	9,9940	7,6151	1,1807	1,0685 n	9,7980	+ 0,07
28	0,0040	8,9176 n	1,2238	0,9435 n	9,8164	+ 0,07
Sept. 7	0,0127	9,1126 n	1,2518	0,7473 n	9,8342	+ 0,07
17	0,0206	9,0833 n	1,2664	0,3464 n	9,8512	+ 0,07
27	0,0281	8,6819 n	1,2682	0,0900	9,8676	+ 0,06
Oct. 7	0,0356	8,9632	1,2572	0,6688	9,8834	+ 0,06
17	0,0434	9,4670	1,2324	0,9020	9,8986	+ 0,06
27	0,0520	9,7344	1,1919	1,0444	9,9134	+ 0,06
Nov. 6	0,0615	9,9142	1,1321	1,1415	9,9276	+ 0,06
16	0,0719	0,0431	1,0466	1,2100	9,9414	+ 0,06
26	0,0832	0,1563	0,9219	1,2575	9,9547	+ 0,06
Dec. 6	0,0952	0,2017	0,7250	1,2880	9,9677	+ 0,06
16	0,1074	0,2439	0,3200	1,3038	9,9803	+ 0,06
26	0,1195	0,2662	0,0793 n	1,3056	9,9925	+ 0,06
36	0,1312	0,2710	0,6488 n	1,2937	0,0044	+ 0,07

Tabula VIII.

1751.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 0	9,5806	0,2711	0,5109 n	1,2998	— ∞	+ 0,07
10	9,5732	0,2662	0,8076 n	1,2789	8,4362	+ 0,07
20	9,6097	0,2479	0,9728 n	1,2424	8,7373	+ 0,07
30	9,6404	0,2199	1,0816 n	1,1876	8,9134	+ 0,07
Febr. 9	9,6661	0,1869	1,1570 n	1,1091	9,0383	+ 0,07
19	9,6875	0,1555	1,2094 n	0,9967	9,1352	+ 0,07
Mart. 1	9,7055	0,1338	1,2438 n	0,8263	9,2144	+ 0,07
11	9,7212	0,1290	1,2632 n	0,5179	9,2815	+ 0,06
21	9,7356	0,1450	1,2690 n	9,2858 n	9,3398	+ 0,06
31	9,7495	0,1805	1,2618 n	0,5630 n	9,3905	+ 0,06
Apr. 10	9,7639	0,2296	1,2415 n	0,8446 n	9,4362	+ 0,06
20	9,7792	0,2852	1,2068 n	1,0046 n	9,4776	+ 0,06
30	9,7958	0,3408	1,1557 n	1,1112 n	9,5154	+ 0,06
Maj. 10	9,8137	0,3921	1,0836 n	1,1861 n	9,5502	+ 0,06
20	9,8328	0,4363	0,9826 n	1,2390 n	9,5824	+ 0,06
30	9,8527	0,4719	0,8344 n	1,2750 n	9,6123	+ 0,06
Jun. 9	9,8728	0,4984	0,5880 n	1,2969 n	9,6404	+ 0,06
19	9,8927	0,5157	9,9109 n	1,3061 n	9,6667	+ 0,06
29	9,9118	0,5241	0,3546	1,3035 n	9,6915	+ 0,06
Jul. 9	9,9297	0,5245	0,7224	1,2883 n	9,7150	+ 0,06
19	9,9461	0,5179	0,9111	1,2601 n	9,7373	+ 0,06
29	9,9609	0,5059	1,0335	1,2170 n	9,7585	+ 0,06
Aug. 8	9,9739	0,4906	1,1193	1,1553 n	9,7787	+ 0,06
18	9,9851	0,4746	1,1807	1,0685 n	9,7980	+ 0,06
28	9,9949	0,4610	1,2238	0,9435 n	9,8164	+ 0,06
Sept. 7	0,0034	0,4532	1,2518	0,7473 n	9,8342	+ 0,06
17	0,0110	0,4537	1,2664	0,3464 n	9,8512	+ 0,06
27	0,0183	0,4639	1,2682	0,0900	9,8676	+ 0,06
Oct. 7	0,0255	0,4885	1,2572	0,6688	9,8834	+ 0,06
17	0,0331	0,5105	1,2324	0,9020	9,8986	+ 0,06
27	0,0415	0,5419	1,1919	1,0444	9,9134	+ 0,06
Nov. 6	0,0508	0,5746	1,1321	1,1415	9,9276	+ 0,06
16	0,0611	0,6054	1,0466	1,2100	9,9414	+ 0,06
26	0,0723	0,6323	0,9219	1,2575	9,9547	+ 0,06
Dec. 6	0,0842	0,6536	0,7250	1,2880	9,9677	+ 0,06
16	0,0964	0,6683	0,3201	1,3038	9,9803	+ 0,06
26	0,1085	0,6761	0,0793 n	1,3056	9,9925	+ 0,06
36	0,1201	0,6772	0,6487 n	1,2957	0,0044	+ 0,06

Tabula VIII.

1752.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 1	9,4851	0,6775	0,5109 n	1,2998	— ∞	+ 0,06
11	9,5309	0,6749	0,8075 n	1,2789	8,4362	+ 0,06
21	9,5698	0,6670	0,9728 n	1,2424	8,7573	+ 0,06
31	9,6023	0,6557	1,0816 n	1,1876	8,9154	+ 0,06
Febr. 10	9,6292	0,6430	1,1570 n	1,1091	9,0383	+ 0,06
20	9,6515	0,6314	1,2094 n	0,9967	9,1552	+ 0,06
Mart. 1	9,6702	0,6238	1,2438 n	0,8263	9,2144	+ 0,06
11	9,6863	0,6207	1,2632 n	0,5179	9,2813	+ 0,06
21	9,7009	0,6250	1,2690 n	9,2857 n	9,3393	+ 0,06
31	9,7152	0,6360	1,2618 n	0,5630 n	9,3905	+ 0,05
Apr. 10	9,7299	0,6528	1,2415 n	0,8446 n	9,4362	+ 0,05
20	9,7457	0,6756	1,2068 n	1,0046 n	9,4776	+ 0,05
30	9,7629	0,6963	1,1557 n	1,1112 n	9,5154	+ 0,05
Maj. 10	9,7815	0,7187	1,0856 n	1,1861 n	9,5502	+ 0,05
20	9,8014	0,7392	0,9826 n	1,2390 n	9,5824	+ 0,05
30	9,8220	0,7565	0,8344 n	1,2750 n	9,6123	+ 0,05
Jun. 9	9,8430	0,7695	0,5880 n	1,2969 n	9,6404	+ 0,05
19	9,8637	0,7780	9,9108 n	1,3061 n	9,6667	+ 0,05
29	9,8835	0,7818	0,5547	1,3033 n	9,6915	+ 0,05
Jul. 9	9,9021	0,7811	0,7224	1,2883 n	9,7150	+ 0,05
19	9,9191	0,7765	0,9111	1,2601 n	9,7373	+ 0,05
29	9,9343	0,7689	1,0395	1,2170 n	9,7585	+ 0,05
Aug. 8	9,9476	0,7596	1,1193	1,1553 n	9,7787	+ 0,05
18	9,9592	0,7500	1,1807	1,0685 n	9,7980	+ 0,05
28	9,9691	0,7418	1,2258	0,9455 n	9,8164	+ 0,05
Sept. 7	9,9777	0,7366	1,2518	0,7473 n	9,8342	+ 0,05
17	9,9854	0,7357	1,2664	0,3464 n	9,8512	+ 0,05
27	9,9926	0,7399	1,2682	0,0901	9,8676	+ 0,05
Oct. 7	9,9999	0,7492	1,2572	0,6688	9,8834	+ 0,05
17	0,0076	0,7630	1,2324	0,9020	9,8986	+ 0,04
27	0,0161	0,7797	1,1919	1,0444	9,9134	+ 0,04
Nov. 6	0,0256	0,7978	1,1321	1,1415	9,9276	+ 0,04
16	0,0362	0,8155	1,0466	1,2100	9,9414	+ 0,04
26	0,0477	0,8313	0,9220	1,2575	9,9547	+ 0,04
Dec. 6	0,0599	0,8438	0,7250	1,2880	9,9677	+ 0,04
16	0,0725	0,8524	0,3201	1,3058	9,9803	+ 0,04
26	0,0849	0,8565	0,0792 n	1,3056	9,9925	+ 0,05
36	0,0969	0,8562	0,6487 n	1,2937	0,0044	+ 0,05

Tabula VIII.

1753.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. r	*E*
Jan. 0	9,3753	0,8568	0,5109 n	1,2998	— ∞	+ 0,05
10	9,4320	0,8540	0,8075 n	1,2789	8,4362	+ 0,05
20	9,4790	0,8478	0,9728 n	1,2424	8,7573	+ 0,05
30	9,5177	0,8393	1,0816 n	1,1876	8,9134	+ 0,05
Febr. 9	9,5494	0,8299	1,1570 n	1,1091	9,0383	+ 0,05
19	9,5749	0,8212	1,2094 n	0,9967	9,1352	+ 0,05
Mart. 1	9,5961	0,8147	1,2438 n	0,8263	9,2144	+ 0,04
11	9,6143	0,8119	1,2632 n	0,5179	9,2813	+ 0,04
21	9,6307	0,8134	1,2690 n	9,2856 n	9,3393	+ 0,04
31	9,6466	0,8195	1,2618 n	0,5630 n	9,3905	+ 0,04
Apr. 10	9,6631	0,8292	1,2415 n	0,8446 n	9,4362	+ 0,04
20	9,6807	0,8420	1,2068 n	1,0046 n	9,4776	+ 0,05
30	9,6999	0,8564	1,1557 n	1,1112 n	9,5154	+ 0,05
Maj. 10	9,7207	0,8709	1,0836 n	1,1861 n	9,5502	+ 0,05
20	9,7429	0,8843	0,9825 n	1,2390 n	9,5824	+ 0,05
30	9,7659	0,8956	0,8344 n	1,2750 n	9,6123	+ 0,05
Jun. 9	9,7891	0,9040	0,5880 n	1,2969 n	9,6404	+ 0,05
19	9,8119	0,9092	9,9107 n	1,3061 n	9,6667	+ 0,04
29	9,8338	0,9109	0,3547	1,3033 n	9,6915	+ 0,04
Jul. 9	9,8541	0,9092	0,7224	1,2883 n	9,7150	+ 0,04
19	9,8726	0,9047	0,9111	1,2601 n	9,7373	+ 0,04
29	9,8891	0,8979	1,0355	1,2170 n	9,7585	+ 0,04
Aug. 8	9,9035	0,8898	1,1193	1,1552 n	9,7787	+ 0,04
18	9,9159	0,8815	1,1807	1,0685 n	9,7980	+ 0,04
28	9,9264	0,8742	1,2238	0,9435 n	9,8164	+ 0,04
Sept. 7	9,9356	0,8691	1,2518	0,7473 n	9,8342	+ 0,05
17	9,9437	0,8672	1,2664	0,3464 n	9,8512	+ 0,05
27	9,9513	0,8690	1,2682	0,0901	9,8676	+ 0,05
Oct. 7	9,9590	0,8746	1,2572	0,6688	9,8834	+ 0,05
17	9,9671	0,8837	1,2324	0,9020	9,8986	+ 0,05
27	9,9761	0,8952	1,1919	1,0444	9,9134	+ 0,02
Nov. 6	9,9862	0,9079	1,1321	1,1415	9,9276	+ 0,02
16	9,9975	0,9205	1,0466	1,2100	9,9414	+ 0,02
26	0,0099	0,9318	0,9220	1,2575	9,9547	+ 0,02
Dec. 6	0,0229	0,9406	0,7250	1,2880	9,9677	+ 0,02
16	0,0363	0,9463	0,3201	1,3088	9,9803	+ 0,05
26	0,0496	0,9484	0,0791 n	1,3056	9,9925	+ 0,05
36	0,0624	0,9471	0,6487 n	1,2937	0,0044	+ 0,05

Tabula VIII.

1754.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 0	9,1528	0,9480	0,5108 n	1,2998	— ∞	+ 0,03
10	9,2417	0,9445	0,3075 n	1,2789	8,4362	+ 0,03
20	9,3114	0,9388	0,9728 n	1,2424	8,7373	+ 0,03
30	9,3660	0,9302	1,0816 n	1,1876	8,9134	+ 0,03
Febr. 9	9,4091	0,9213	1,1570 n	1,1091	9,0383	+ 0,03
19	9,4433	0,9129	1,2094 n	0,9967	9,1352	+ 0,03
Mart. 1	9,4709	0,9064	1,2438 n	0,8263	9,2144	+ 0,03
11	9,4943	0,9027	1,2682 n	0,5179	9,2813	+ 0,02
21	9,5151	0,9026	1,2690 n	9,2855 n	9,3393	+ 0,02
31	9,5351	0,9061	1,2618 n	0,5650 n	9,3905	+ 0,02
Apr. 10	9,5556	0,9129	1,2415 n	0,8446 n	9,4362	+ 0,02
20	9,5774	0,9221	1,2068 n	1,0046 n	9,4776	+ 0,01
30	9,6011	0,9328	1,1557 n	1,1112 n	9,5154	+ 0,01
Maj. 10	9,6266	0,9437	1,0836 n	1,1861 n	9,5502	+ 0,01
20	9,6535	0,9539	0,9825 n	1,2390 n	9,5824	+ 0,01
30	9,6812	0,9623	0,8844 n	1,2750 n	9,6123	+ 0,01
Jun. 9	9,7089	0,9683	0,5880 n	1,2969 n	9,6404	+ 0,01
19	9,7358	0,9716	9,9107 n	1,3061 n	9,6667	+ 0,01
29	9,7614	0,9718	0,3547	1,3033 n	9,6915	+ 0,02
Jul. 9	9,7850	0,9692	0,7225	1,2883 n	9,7150	+ 0,02
19	9,8063	0,9640	0,9111	1,2601 n	9,7373	+ 0,02
29	9,8252	0,9568	1,0335	1,2170 n	9,7585	+ 0,02
Aug. 8	9,8416	0,9484	1,1193	1,1552 n	9,7787	+ 0,02
18	9,8555	0,9398	1,1807	1,0685 n	9,7980	+ 0,02
28	9,8674	0,9321	1,2238	0,9435 n	9,8164	+ 0,02
Sept. 7	9,8777	0,9262	1,2518	0,7472 n	9,8342	+ 0,01
17	9,8867	0,9231	1,2664	0,3464 n	9,8512	+ 0,01
27	9,8952	0,9233	1,2682	0,0901	9,8676	+ 0,01
Oct. 7	9,9037	0,9269	1,2572	0,6688	9,8834	+ 0,01
17	9,9128	0,9336	1,2324	0,9020	9,8986	+ 0,01
27	9,9228	0,9425	1,1919	1,0443	9,9134	0,00
Nov. 6	9,9341	0,9526	1,1321	1,1415	9,9276	0,00
16	9,9466	0,9627	1,0466	1,2099	9,9414	0,00
26	9,9603	0,9716	0,9220	1,2575	9,9547	0,00
Dec. 6	9,9748	0,9784	0,7251	1,2880	9,9677	0,00
16	9,9896	0,9823	0,3202	1,3038	9,9803	0,00
26	0,0043	0,9831	0,0791 n	1,3056	9,9925	+ 0,01
36	0,0183	0,9805	0,6487 n	1,2937	0,0044	+ 0,01

Tabula VIII.

1755.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. r	*E*
Jan. 0	8,4868	0,9819	0,5108 n	1,2998	— ∞	+ 0,01
10	8,7989	0,9774	0,8075 n	1,2789	8,4362	+ 0,01
20	8,9686	0,9703	0,9728 n	1,2424	8,7573	+ 0,01
30	9,0801	0,9614	1,0815 n	1,1876	8,9134	+ 0,01
Febr. 9	9,1591	0,9518	1,1570 n	1,1091	9,0383	+ 0,01
19	9,2176	0,9426	1,2094 n	0,9967	9,1352	+ 0,01
Mart. 1	9,2627	0,9351	1,2488 n	0,8263	9,2144	+ 0,01
11	9,2994	0,9302	1,2632 n	0,5179	9,2813	0,00
21	9,3312	0,9286	1,2690 n	9,2854 n	9,3393	0,00
31	9,3610	0,9305	1,2618 n	0,5630 n	9,3905	0,00
Apr. 10	9,3910	0,9355	1,2415 n	0,8446 n	9,4362	— 0,01
20	9,4223	0,9428	1,2068 n	1,0046 n	9,4776	— 0,01
30	9,4556	0,9516	1,1556 n	1,1112 n	9,5154	— 0,01
Maj. 10	9,4906	0,9608	1,0856 n	1,1861 n	9,5502	— 0,01
20	9,5268	0,9692	0,9825 n	1,2390 n	9,5824	— 0,01
30	9,5634	0,9760	0,8344 n	1,2750 n	9,6123	— 0,01
Jun. 9	9,5992	0,9805	0,5880 n	1,2969 n	9,6404	— 0,01
19	9,6335	0,9824	9,9106 n	1,3061 n	9,6667	— 0,01
29	9,6655	0,9813	0,3548	1,3033 n	9,6915	— 0,01
Jul. 9	9,6947	0,9774	0,7225	1,2883 n	9,7150	— 0,01
19	9,7208	0,9710	0,9112	1,2601 n	9,7373	0,00
29	9,7436	0,9625	1,0335	1,2170 n	9,7585	0,00
Aug. 8	9,7633	0,9529	1,1193	1,1552 n	9,7787	0,00
18	9,7799	0,9430	1,1807	1,0685 n	9,7980	— 0,01
28	9,7941	0,9338	1,2238	0,9484 n	9,8164	— 0,01
Sept. 7	9,8062	0,9265	1,2518	0,7472 n	9,8342	— 0,01
17	9,8168	0,9219	1,2664	0,3464 n	9,8512	— 0,01
27	9,8268	0,9206	1,2682	0,0901	9,8676	— 0,01
Oct. 7	9,8367	0,9227	1,2572	0,6688	9,8834	— 0,01
17	9,8473	0,9280	1,2324	0,9020	9,8986	— 0,02
27	9,8590	0,9355	1,1919	1,0443	9,9134	— 0,02
Nov. 6	9,8720	0,9444	1,1321	1,1415	9,9276	— 0,02
16	9,8865	0,9532	1,0466	1,2099	9,9414	— 0,02
26	9,9022	0,9610	0,9220	1,2575	9,9547	— 0,02
Dec. 6	9,9188	0,9666	0,7251	1,2880	9,9677	— 0,02
16	9,9357	0,9693	0,3202	1,3026	9,9806	— 0,02
26	9,9525	0,9687	0,0790 n	1,3056	9,9925	— 0,02
36	9,9681	0,9648	0,6487 n	1,2937	0,0044	— 0,02

Tabula VIII.

1756.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 1	8,9202 n	0,9667	0,5108 n	1,2998	— ∞	— 0,02
11	8,7061 n	0,9607	0,8075 n	1,2789	8,4562	— 0,01
21	8,3188 n	0,9519	0,9728 n	1,2424	8,7578	— 0,01
31	7,8906	0,9412	1,0615 n	1,1876	8,9134	— 0,01
Febr. 10	8,4901	0,9297	1,1570 n	1,1091	9,0883	— 0,01
20	8,7150	0,9185	1,2094 n	0,9967	9,1552	— 0,02
Mart. 1	8,8459	0,9090	1,2458 n	0,8263	9,2144	— 0,02
11	8,9267	0,9023	1,2682 n	0,5179	9,2813	— 0,02
21	9,0076	0,8991	1,2690 n	9,2862 n	9,3393	— 0,02
31	9,0690	0,8995	1,2618 n	0,5650 n	9,3905	— 0,02
Apr. 10	9,1266	0,9033	1,2415 n	0,8446 n	9,4362	— 0,03
20	9,1832	0,9098	1,2068 n	1,0046 n	9,4776	— 0,03
30	9,2399	0,9178	1,1556 n	1,1112 n	9,5154	— 0,03
Maj. 10	9,2964	0,9262	1,0836 n	1,1861 n	9,5502	— 0,03
20	9,3525	0,9338	0,9825 n	1,2390 n	9,5824	— 0,03
30	9,4064	0,9399	0,8344 n	1,2750 n	9,6123	— 0,03
Jun. 9	9,4574	0,9434	0,5879 n	1,2969 n	9,6404	— 0,03
19	9,5047	0,9440	9,9105 n	1,3061 n	9,6667	— 0,03
29	9,5476	0,9415	0,3548	1,3035 n	9,6915	— 0,03
Jul. 9	9,5859	0,9358	0,7225	1,2885 n	9,7150	— 0,03
19	9,6196	0,9274	0,9112	1,2601 n	9,7373	— 0,02
29	9,6484	0,9166	1,0335	1,2170 n	9,7585	— 0,02
Aug. 8	9,6730	0,9044	1,1193	1,1552 n	9,7787	— 0,02
18	9,6938	0,8917	1,1807	1,0685 n	9,7980	— 0,03
28	9,7112	0,8799	1,2258	0,9434 n	9,8164	— 0,03
Sept. 7	9,7261	0,8700	1,2518	0,7472 n	9,8342	— 0,03
17	9,7392	0,8631	1,2664	0,3468 n	9,8512	— 0,03
27	9,7514	0,8600	1,2682	0,0901	9,8676	— 0,03
Oct. 7	9,7635	0,8609	1,2572	0,6688	9,8834	— 0,04
17	9,7762	0,8653	1,2324	0,9020	9,8986	— 0,04
27	9,7908	0,8725	1,1919	1,0448	9,9134	— 0,04
Nov. 6	9,8058	0,8812	1,1321	1,1415	9,9276	— 0,04
16	9,8229	0,8899	1,0466	1,2099	9,9414	— 0,04
26	9,8413	0,8975	0,9220	1,2575	9,9547	— 0,04
Dec. 6	9,8606	0,9025	0,7251	1,2880	9,9677	— 0,04
16	9,8801	0,9043	0,3802	1,3038	9,9803	— 0,04
26	9,8992	0,9022	0,0789 n	1,3056	9,9925	— 0,04
36	9,9178	0,8962	0,6487 n	1,2937	0,0044	— 0,04

Tabula VIII.

1757.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 0	9,2695 n	0,8989	0,5108 n	1,2998	— ∞	—0,04
10	9,1851 n	0,8904	0,8075 n	1,2789	8,4962	—0,03
20	9,0878 n	0,8787	0,9728 n	1,2425	8,7373	—0,03
30	8,9756 n	0,8645	1,0815 n	1,1876	8,9134	—0,03
Febr. 9	8,8443 n	0,8491	1,1570 n	1,1092	9,0383	—0,04
19	8,6847 n	0,8340	1,2094 n	0,9968	9,1352	—0,04
Mart. 1	8,4714 n	0,8208	1,2438 n	0,8263	9,2144	—0,04
11	8,1062 n	0,8109	1,2632 n	0,5179	9,2813	—0,04
21	7,4939	0,8052	1,2690 n	9,2851 n	9,3393	—0,04
31	8,2818	0,8041	1,2618 n	0,5650 n	9,3905	—0,04
Apr. 10	8,5600	0,8072	1,2415 n	0,8446 n	9,4362	—0,04
20	8,7444	0,8136	1,2068 n	1,0046 n	9,4776	—0,05
30	8,8886	0,8220	1,1556 n	1,1112 n	9,5154	—0,05
Maj. 10	9,0095	0,8309	1,0836 n	1,1861 n	9,5502	—0,05
20	9,1139	0,8389	0,9825 n	1,2390 n	9,5824	—0,05
30	9,2051	0,8449	0,8344 n	1,2750 n	9,6123	—0,05
Jun. 9	9,2850	0,8479	0,5879 n	1,2969 n	9,6404	—0,05
19	9,3547	0,8472	9,9104 n	1,3061 n	9,6667	—0,05
29	9,4152	0,8426	0,3548	1,3033 n	9,6915	—0,04
Jul. 9	9,4674	0,8340	0,7225	1,2883 n	9,7150	—0,04
19	9,5118	0,8218	0,9112	1,2601 n	9,7373	—0,04
29	9,5493	0,8064	1,0335	1,2170 n	9,7585	—0,04
Aug. 8	9,5808	0,7890	1,1193	1,1552 n	9,7787	—0,04
18	9,6070	0,7708	1,1807	1,0685 n	9,7980	—0,04
28	9,6289	0,7534	1,2238	0,9484 n	9,8164	—0,04
Sept. 7	9,6475	0,7384	1,2518	0,7472 n	9,8342	—0,05
17	9,6638	0,7273	1,2664	0,3463 n	9,8512	—0,05
27	9,6790	0,7213	1,2682	0,0901	9,8676	—0,05
Oct. 7	9,6938	0,7206	1,2572	0,6688	9,8834	—0,05
17	9,7094	0,7250	1,2324	0,9020	9,8986	—0,05
27	9,7263	0,7332	1,1919	1,0443	9,9134	—0,05
Nov. 6	9,7448	0,7435	1,1321	1,1415	9,9276	—0,05
16	9,7650	0,7539	1,0466	1,2099	9,9414	—0,05
26	9,7865	0,7626	0,9220	1,2575	9,9547	—0,05
Dec. 6	9,8088	0,7680	0,7251	1,2880	9,9677	—0,05
16	9,8312	0,7689	0,3208	1,3068	9,9803	—0,05
26	9,8530	0,7646	0,0789 n	1,3056	9,9925	—0,05
36	9,8735	0,7547	0,6486 n	1,2987	0,0044	—0,05

Tabula VIII.

1758.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. r	*E*
Jan. 0	9,4241 n	0,7591	0,5107 n	1,2998	— ∞	— 0,05
10	9,3653 n	0,7459	0,8075 n	1,2789	8,4962	— 0,05
20	9,3018 n	0,7278	0,9728 n	1,2425	8,7373	— 0,05
30	9,2348 n	0,7059	1,0815 n	1,1876	8,9134	— 0,05
Febr. 9	9,1651 n	0,6818	1,1570 n	1,1092	9,0886	— 0,05
19	9,0935 n	0,6577	1,2094 n	0,9968	9,1352	— 0,05
Mart. 1	9,0186 n	0,6359	1,2438 n	0,8263	9,2144	— 0,05
11	8,9381 n	0,6187	1,2632 n	0,5179	9,2815	— 0,05
21	8,8451 n	0,6079	1,2690 n	9,2850 n	9,3593	— 0,05
31	8,7256 n	0,6042	1,2618 n	0,5690 n	9,3905	— 0,06
Apr. 10	8,5459 n	0,6071	1,2415 n	0,8446 n	9,4862	— 0,06
20	8,1791 n	0,6154	1,2068 n	1,0046 n	9,4776	— 0,06
30	7,8811	0,6268	1,1556 n	1,1112 n	9,5154	— 0,06
Maj. 10	8,5223	0,6390	1,0836 n	1,1861 n	9,5502	— 0,06
20	8,7918	0,6498	0,9825 n	1,2390 n	9,5824	— 0,06
30	8,9698	0,6574	0,8344 n	1,2750 n	9,6123	— 0,06
Jun. 9	9,1018	0,6604	0,5879 n	1,2969 n	9,6404	— 0,06
19	9,2065	0,6578	9,9105 n	1,3061 n	9,6667	— 0,06
29	9,2913	0,6491	0,3549	1,3035 n	9,6915	— 0,06
Jul. 9	9,3610	0,6340	0,7225	1,2883 n	9,7150	— 0,06
19	9,4185	0,6128	0,9112	1,2601 n	9,7373	— 0,05
29	9,4659	0,5860	1,0335	1,2169 n	9,7585	— 0,05
Aug. 8	9,5050	0,5549	1,1195	1,1552 n	9,7787	— 0,05
18	9,5372	0,5213	1,1807	1,0685 n	9,7980	— 0,05
28	9,5639	0,4877	1,2238	0,9434 n	9,8164	— 0,05
Sept. 7	9,5865	0,4574	1,2518	0,7472 n	9,8342	— 0,06
17	9,6062	0,4337	1,2664	0,3468 n	9,8512	— 0,06
27	9,6248	0,4195	1,2682	0,0901	9,8676	— 0,06
Oct. 7	9,6421	0,4160	1,2572	0,6688	9,8834	— 0,06
17	9,6605	0,4226	1,2324	0,9020	9,8986	— 0,06
27	9,6802	0,4368	1,1919	1,0448	9,9134	— 0,06
Nov. 6	9,7016	0,4549	1,1321	1,1415	9,9276	— 0,06
16	9,7246	0,4731	1,0466	1,2099	9,9414	— 0,06
26	9,7489	0,4878	0,9220	1,2575	9,9547	— 0,06
Dec. 6	9,7739	0,4962	0,7251	1,2880	9,9677	— 0,06
16	9,7987	0,4962	0,3208	1,3088	9,9808	— 0,06
26	9,8228	0,4864	0,0788 n	1,3056	9,9925	— 0,06
36	9,8458	0,4658	0,6486 n	1,2987	0,0044	— 0,06

Tabula VIII.

1759.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 0	9,4953 n	0,4748	0,5107 n	1,2998	— ∞	—0,06
10	9,4444 n	0,4473	0,8075 n	1,2789	8,4862	—0,06
20	9,3905 n	0,4086	0,9727 n	1,2425	8,7573	—0,06
30	9,3346 n	0,3596	1,0815 n	1,1876	8,9134	—0,06
Febr. 9	9,2780 n	0,3020	1,1570 n	1,1092	9,0883	—0,06
19	9,2211 n	0,2392	1,2094 n	0,9968	9,1852	—0,06
Mart. 1	9,1638 n	0,1766	1,2488 n	0,8263	9,2144	—0,06
11	9,1044 n	0,1219	1,2632 n	0,5179	9,2813	—0,06
21	9,0393 n	0,0835	1,2690 n	9,2849 n	9,3393	—0,06
31	8,9620 n	0,0674	1,2618 n	0,5630 n	9,3905	—0,06
Apr. 10	8,8611 n	0,0748	1,2415 n	0,8446 n	9,4362	—0,06
20	8,7125 n	0,0967	1,2068 n	1,0046 n	9,4776	—0,07
30	8,4450 n	0,1328	1,1556 n	1,1112 n	9,5154	—0,07
Maj. 10	7,0739 n	0,1668	1,0856 n	1,1861 n	9,5502	—0,07
20	8,4543	0,1959	0,9825 n	1,2390 n	9,5824	—0,07
30	8,7884	0,2151	0,8544 n	1,2750 n	9,6123	—0,07
Jun. 9	8,9777	0,2214	0,5879 n	1,2969 n	9,6404	—0,06
19	9,1154	0,2124	9,9102 n	1,3061 n	9,6667	—0,06
29	9,2206	0,1856	0,3549	1,3033 n	9,6915	—0,06
Jul. 9	9,3037	0,1381	0,7225	1,2883 n	9,7150	—0,06
19	9,3706	0,0652	0,9112	1,2601 n	9,7373	—0,06
29	9,4249	9,9598	1,0335	1,2169 n	9,7585	—0,06
Aug. 8	9,4692	9,8048	1,1198	1,1552 n	9,7787	—0,06
18	9,5054	9,5621	1,1807	1,0685 n	9,7980	—0,06
28	9,5354	9,0509	1,2238	0,9484 n	9,8164	—0,06
Sept. 7	9,5607	9,0000 n	1,2518	0,7472 n	9,8342	—0,06
17	9,5827	9,4102 n	1,2664	0,5468 n	9,8512	—0,06
27	9,6020	9,5436 n	1,2682	0,0901	9,8676	—0,06
Oct. 7	9,6227	9,5748 n	1,2572	0,6688	9,8834	—0,07
17	9,6429	9,5809 n	1,2324	0,9080	9,8986	—0,07
27	9,6644	9,4076 n	1,1919	1,0448	9,9134	—0,07
Nov. 6	9,6874	9,1548 n	1,1321	1,1415	9,9276	—0,07
16	9,7121	8,8891 n	1,0466	1,2099	9,9414	—0,07
26	9,7379	8,8782	0,9220	1,2575	9,9547	—0,07
Dec. 6	9,7645	9,1208	0,7251	1,2880	9,9677	—0,07
16	9,7904	9,1120	0,3804	1,3033	9,9803	—0,06
26	9,8156	8,7548	0,0787 n	1,3056	9,9925	—0,06
36	9,8392	8,9416 n	0,6486 n	1,2987	0,0044	—0,06

Tabula VIII.

1760.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 1	9,5093 n	8.4002 n	0,5107 n	1,2998	— ∞	— 0,06
11	9,4585 n	9,3235 n	0,8074 n	1,2789	8,4862	— 0,06
21	9,4047 n	9,6541 n	0,9727 n	1,2425	8,7573	— 0,06
31	9,3487 n	9,8608 n	1,0815 n	1,1876	8,9134	— 0,06
Febr. 10	9,2918 n	0,0049 n	1,1570 n	1,1092	9,0388	— 0,06
20	9,2342 n	0,1080 n	1,2094 n	0,9968	9,1352	— 0,06
Mart. 1	9,1757 n	0,1806 n	1,2488 n	0,8268	9,2144	— 0,06
11	9,1145 n	0,2289 n	1,2632 n	0,5180	9,2813	— 0,06
21	9,0471 n	0,2568 n	1,2690 n	9,2848 n	9,3398	— 0,06
31	8,9665 n	0,2672 n	1,2618 n	0,5650 n	9,3905	— 0,06
Apr. 10	8,8606 n	0,2638 n	1,2415 n	0,8446 n	9,4362	— 0,06
20	8,7029 n	0,2460 n	1,2068 n	1,0046 n	9,4776	— 0,07
30	8,4100 n	0,2202 n	1,1556 n	1,1112 n	9,5154	— 0,07
Maj. 10	7,3034	0,1895 n	1,0856 n	1,1861 n	9,5502	— 0,07
20	8,5144	0,1596 n	0,9825 n	1,2390 n	9,5824	— 0,07
30	8,8198	0,1372 n	0,8344 n	1,2750 n	9,6123	— 0,06
Jun. 9	9,0055	0,1290 n	0,5879 n	1,2969 n	9,6404	— 0,06
19	9,1391	0,1392 n	9,9101 n	1,3061 n	9,6667	— 0,06
29	9,2418	0,1682 n	0,3549	1,3038 n	9,6915	— 0,06
Jul. 9	9,3235	0,2120 n	0,7225	1,2888 n	9,7150	— 0,06
19	9,3894	0,2646 n	0,9112	1,2601 n	9,7373	— 0,06
29	9,4432	0,3195 n	1,0355	1,2169 n	9,7585	— 0,06
Aug. 8	9,4871	0,3722 n	1,1198	1,1552 n	9,7787	— 0,06
18	9,5233	0,4198 n	1,1807	1,0684 n	9,7980	— 0,06
28	9,5533	0,4586 n	1,2238	0,9434 n	9,8164	— 0,06
Sept. 7	9,5788	0,4889 n	1,2518	0,7472 n	9,8342	— 0,06
17	9,6011	0,5099 n	1,2664	0,3468 n	9,8512	— 0,06
27	9,6215	0,5216 n	1,2682	0,0902	9,8676	— 0,06
Oct. 7	9,6414	0,5248 n	1,2572	0,6688	9,8834	— 0,06
17	9,6618	0,5189 n	1,2324	0,9020	9,8986	— 0,06
27	9,6838	0,5070 n	1,1919	1,0448	9,9134	— 0,06
Nov. 6	9,7062	0,4907 n	1,1322	1,1415	9,9276	— 0,06
16	9,7347	0,4729 n	1,0466	1,2099	9,9414	— 0,06
26	9,7562	0,4575 n	0,9220	1,2575	9,9547	— 0,06
Dec. 6	9,7822	0,4476 n	0,7251	1,2880	9,9677	— 0,06
16	9,8080	0,4469 n	0,3904	1,3038	9,9803	— 0,06
26	9,8329	0,4570 n	0,0787 n	1,3056	9,9925	— 0,06
36	9,8561	0,4775 n	0,6486 n	1,2937	0,0044	— 0,06

Tabula VIII.

1761.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 0	9,4713 *n*	0,4686 *n*	0,5107 *n*	1,2998	— ∞	— 0,06
10	9,4139 *n*	0,4942 *n*	0,8074 *n*	1,2789	8,4362	— 0,05
20	9,3519 *n*	0,5254 *n*	0,9727 *n*	1,2425	8,7373	— 0,05
30	9,2860 *n*	0,5587 *n*	1,0815 *n*	1,1876	8,9134	— 0,05
Febr. 9	9,2168 *n*	0,5908 *n*	1,1570 *n*	1,1092	9,0383	— 0,05
19	9,1445 *n*	0,6191 *n*	1,2094 *n*	0,9968	9,1352	— 0,05
Mart. 1	9,0678 *n*	0,6420 *n*	1,2438 *n*	0,8263	9,2144	— 0,05
11	8,9835 *n*	0,6585 *n*	1,2632 *n*	0,5180	9,2813	— 0,05
21	8,8840 *n*	0,6682 *n*	1,2690 *n*	9,2846 *n*	9,3393	— 0,06
31	8,7538 *n*	0,6715 *n*	1,2618 *n*	0,5630 *n*	9,3905	— 0,06
Apr. 10	8,5532 *n*	0,6689 *n*	1,2415 *n*	0,8446 *n*	9,4362	— 0,06
20	8,1041 *n*	0,6615 *n*	1,2068 *n*	1,0046 *n*	9,4776	— 0,06
30	8,1133	0,6508 *n*	1,1556 *n*	1,1112 *n*	9,5154	— 0,06
Maj. 10	8,6195	0,6386 *n*	1,0836 *n*	1,1861 *n*	9,5502	— 0,06
20	8,8648	0,6272 *n*	0,9825 *n*	1,2390 *n*	9,5824	— 0,06
30	9,0313	0,6186 *n*	0,8343 *n*	1,2750 *n*	9,6123	— 0,06
Jun. 9	9,1475	0,6147 *n*	0,5879 *n*	1,2969 *n*	9,6404	— 0,06
19	9,2579	0,6170 *n*	9,9100 *n*	1,3061 *n*	9,6667	— 0,05
29	9,3400	0,6257 *n*	0,3550	1,3033 *n*	9,6915	— 0,05
Jul. 9	9,4079	0,6408 *n*	0,7226	1,2883 *n*	9,7150	— 0,05
19	9,4643	0,6596 *n*	0,9112	1,2601 *n*	9,7373	— 0,05
29	9,5112	0,6815 *n*	1,0335	1,2169 *n*	9,7585	— 0,05
Aug. 8	9,5501	0,7041 *n*	1,1193	1,1552 *n*	9,7787	— 0,05
18	9,5826	0,7257 *n*	1,1807	1,0684 *n*	9,7980	— 0,09
28	9,6099	0,7445 *n*	1,2239	0,9434 *n*	9,8164	— 0,05
Sept. 7	9,6332	0,7596 *n*	1,2518	0,7472 *n*	9,8342	— 0,05
17	9,6538	0,7700 *n*	1,2664	0,3463 *n*	9,8512	— 0,05
27	9,6728	0,7755 *n*	1,2682	0,0902	9,8676	— 0,05
Oct. 7	9,6913	0,7760 *n*	1,2572	0,6688	9,8834	— 0,05
17	9,7102	0,7721 *n*	1,2324	0,9020	9,8986	— 0,05
27	9,7302	0,7644 *n*	1,1919	1,0443	9,9134	— 0,05
Nov. 6	9,7515	0,7544 *n*	1,1322	1,1415	9,9276	— 0,05
16	9,7742	0,7437 *n*	1,0466	1,2099	9,9414	— 0,05
26	9,7979	0,7342 *n*	0,9220	1,2575	9,9547	— 0,05
Dec. 6	9,8222	0,7279 *n*	0,7251	1,2880	9,9677	— 0,05
16	9,8463	0,7264 *n*	0,5204	1,3038	9,9803	— 0,05
26	9,8696	0,7305 *n*	0,0786 *n*	1,3056	9,9925	— 0,04
36	9,8915	0,7402 *n*	0,6486 *n*	1,2937	0,0044	— 0,04

Tabula VIII.

1762.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. r	*E*
Jan. 0	9,3717 n	0,7360 n	0,5106 n	1,2998	— ∞	— 0,04
10	9,2965 n	0,7488 n	0,8074 n	1,2789	8,4362	— 0,04
20	9,2111 n	0,7653 n	0,9727 n	1,2425	8,7573	— 0,04
30	9,1144 n	0,7856 n	1,0815 n	1,1876	8,9134	— 0,04
Febr. 9	9,0038 n	0,8019 n	1,1570 n	1,1092	9,0883	— 0,04
19	8,8738 n	0,8185 n	1,2094 n	0,9968	9,1352	— 0,04
Mart. 1	8,7110 n	0,8321 n	1,2438 n	0,8264	9,2144	— 0,04
11	8,4767 n	0,8418 n	1,2632 n	0,5180	9,2813	— 0,04
21	7,9768 n	0,8471 n	1,2690 n	9,2845 n	9,3393	— 0,04
31	8,0463	0,8483 n	1,2618 n	0,5650 n	9,3905	— 0,04
Apr. 10	8,5172	0,8455 n	1,2415 n	0,8446 n	9,4362	— 0,04
20	8,7536	0,8395 n	1,2068 n	1,0046 n	9,4776	— 0,05
30	8,9199	0,8313 n	1,1556 n	1,1112 n	9,5154	— 0,05
Maj. 10	9,0514	0,8222 n	1,0836 n	1,1861 n	9,5502	— 0,04
20	9,1611	0,8135 n	0,9825 n	1,2390 n	9,5824	— 0,04
30	9,2550	0,8067 n	0,8343 n	1,2750 n	9,6123	— 0,04
Jun. 9	9,3362	0,8030 n	0,5878 n	1,2969 n	9,6404	— 0,04
19	9,4065	0,8032 n	9,9099 n	1,3061 n	9,6667	— 0,04
29	9,4675	0,8076 n	0,3550	1,3033 n	9,6915	— 0,04
Jul. 9	9,5200	0,8161 n	0,7226	1,2885 n	9,7150	— 0,04
19	9,5650	0,8278 n	0,9112	1,2601 n	9,7373	— 0,03
29	9,6034	0,8416 n	1,0335	1,2169 n	9,7585	— 0,03
Aug. 8	9,6359	0,8562 n	1,1193	1,1552 n	9,7787	— 0,03
18	9,6634	0,8704 n	1,1807	1,0684 n	9,7980	— 0,03
28	9,6867	0,8829 n	1,2239	0,9434 n	9,8164	— 0,03
Sept. 7	9,7069	0,8928 n	1,2518	0,7472 n	9,8342	— 0,03
17	9,7249	0,8994 n	1,2664	0,3463 n	9,8512	— 0,03
27	9,7416	0,9024 n	1,2682	0,0902	9,8676	— 0,03
Oct. 7	9,7580	0,9017 n	1,2572	0,6688	9,8834	— 0,04
17	9,7747	0,8976 n	1,2324	0,9020	9,8986	— 0,04
27	9,7924	0,8908 n	1,1919	1,0443	9,9134	— 0,04
Nov. 6	9,8114	0,8821 n	1,1322	1,1415	9,9276	— 0,04
16	9,8316	0,8730 n	1,0466	1,2099	9,9414	— 0,04
26	9,8529	0,8647 n	0,9220	1,2575	9,9547	— 0,03
Dec. 6	9,8747	0,8588 n	0,7252	1,2880	9,9677	— 0,03
16	9,8965	0,8564 n	0,3205	1,3038	9,9803	— 0,03
26	9,9176	0,8581 n	0,0785 n	1,3056	9,9925	— 0,03
36	9,9375	0,8642 n	0,6486 n	1,2937	0,0044	— 0,03

Tabula VIII.

1763.

		Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. r	*E*
Jan.	0	9,1716 n	0,8614 n	0,5106 n	1,2998	— ∞	—0,03
	10	9,0430 n	0,8698 n	0,8074 n	1,2789	8,4362	—0,02
	20	8,8722 n	0,8811 n	0,9727 n	1,2425	8,7373	—0,02
	30	8,6176 n	0,8940 n	1,0615 n	1,1876	8,9134	—0,02
Febr.	9	8,0656 n	0,9071 n	1,1570 n	1,1092	9,0383	—0,02
	19	8,1766	0,9190 n	1,2094 n	0,9968	9,1352	—0,02
Mart.	1	8,5905	0,9287 n	1,2438 n	0,8264	9,2144	—0,02
	11	8,7848	0,9353 n	1,2632 n	0,5180	9,2813	—0,02
	21	8,9136	0,9385 n	1,2690 n	9,2844 n	9,3393	—0,02
	31	9,0132	0,9383 n	1,2618 n	0,5630 n	9,3905	—0,03
Apr.	10	9,0983	0,9349 n	1,2415 n	0,8446 n	9,4362	—0,03
	20	9,1752	0,9288 n	1,2068 n	1,0046 n	9,4776	—0,03
	30	9,2472	0,9210 n	1,1556 n	1,1112 n	9,5154	—0,03
Maj.	10	9,3151	0,9124 n	1,0836 n	1,1861 n	9,5502	—0,03
	20	9,3792	0,9041 n	0,9825 n	1,2390 n	9,5824	—0,03
	30	9,4392	0,8973 n	0,8343 n	1,2750 n	9,6123	—0,02
Jun.	9	9,4946	0,8930 n	0,5878 n	1,2969 n	9,6404	—0,02
	19	9,5453	0,8918 n	9,9098 n	1,3061 n	9,6667	—0,02
	29	9,5909	0,8942 n	0,3550	1,3033 n	9,6915	—0,02
Jul.	9	9,6315	0,8998 n	0,7226	1,2882 n	9,7150	—0,02
	19	9,6671	0,9082 n	0,9112	1,2601 n	9,7373	—0,01
	29	9,6981	0,9184 n	1,0335	1,2169 n	9,7585	—0,01
Aug.	8	9,7247	0,9295 n	1,1193	1,1552 n	9,7787	—0,01
	18	9,7476	0,9405 n	1,1808	1,0684 n	9,7980	—0,01
	28	9,7673	0,9498 n	1,2239	0,9434 n	9,8164	—0,01
Sept.	7	9,7844	0,9571 n	1,2518	0,7472 n	9,8342	—0,01
	17	9,7997	0,9616 n	1,2664	0,3462 n	9,8512	—0,02
	27	9,8041	0,9631 n	1,2682	0,0902	9,8676	—0,02
Oct.	7	9,8282	0,9615 n	1,2572	0,6688	9,8834	—0,02
	17	9,8428	0,9566 n	1,2324	0,9020	9,8986	—0,02
	27	9,8582	0,9494 n	1,1919	1,0443	9,9134	—0,02
Nov.	6	9,8747	0,9406 n	1,1322	1,1415	9,9276	—0,02
	16	9,8925	0,9313 n	1,0466	1,2099	9,9414	—0,02
	26	9,9112	0,9228 n	0,9220	1,2575	9,9547	—0,02
Dec.	6	9,9305	0,9163 n	0,7252	1,2880	9,9677	—0,01
	16	9,9499	0,9129 n	0,8205	1,3038	9,9803	—0,01
	26	9,9688	0,9131 n	0,0784 n	1,3056	9,9925	—0,01
	36	9,9867	0,9171 n	0,6485 n	1,2937	0,0044	—0,01

Tabula VIII.

1764.

		Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan.	1	8,6519 n	0,9151 n	0,5106 n	1,2998	— ∞	— 0,01
	11	7,8138 n	0,9212 n	0,8074 n	1,2789	8,4862	— 0,01
	21	8,4727	0,9300 n	0,9727 n	1,2425	8,7573	0,00
	31	8,7995	0,9403 n	1,0815 n	1,1876	8,9134	0,00
Febr.	10	8,9691	0,9508 n	1,1570 n	1,1092	9,0888	0,00
	20	9,0794	0,9604 n	1,2094 n	0,9968	9,1852	0,00
Mart.	1	9,1591	0,9680 n	1,2458 n	0,8264	9,2144	0,00
	11	9,2214	0,9728 n	1,2632 n	0,5180	9,2815	0,00
	21	9,2736	0,9746 n	1,2690 n	9,2848 n	9,3398	— 0,01
	31	9,3204	0,9732 n	1,2618 n	0,5630 n	9,3905	— 0,01
Apr.	10	9,3648	0,9688 n	1,2415 n	0,8446 n	9,4362	— 0,01
	20	9,4086	0,9620 n	1,2068 n	1,0046 n	9,4776	— 0,01
	30	9,4524	0,9535 n	1,1556 n	1,1112 n	9,5154	— 0,01
Maj.	10	9,4962	0,9442 n	1,0856 n	1,1861 n	9,5502	— 0,01
	20	9,5398	0,9352 n	0,9825 n	1,2390 n	9,5824	— 0,01
	30	9,5828	0,9275 n	0,8348 n	1,2750 n	9,6128	0,00
Jun.	9	9,6250	0,9221 n	0,5878 n	1,2969 n	9,6404	0,00
	19	9,6614	0,9197 n	9,9097 n	1,3061 n	9,6667	0,00
	29	9,6969	0,9205 n	0,5551	1,3033 n	9,6915	0,00
Jul.	9	9,7291	0,9244 n	0,7226	1,2882 n	9,7150	0,00
	19	9,7580	0,9310 n	0,9112	1,2601 n	9,7373	0,00
	29	9,7838	0,9394 n	1,0335	1,2169 n	9,7585	+ 0,01
Aug.	8	9,8065	0,9487 n	1,1193	1,1552 n	9,7787	+ 0,01
	18	9,8246	0,9577 n	1,1808	1,0684 n	9,7980	+ 0,01
	28	9,8412	0,9656 n	1,2239	0,9434 n	9,8164	+ 0,01
Sept.	7	9,8558	0,9714 n	1,2518	0,7472 n	9,8342	+ 0,01
	17	9,8684	0,9746 n	1,2664	0,5462 n	9,8512	+ 0,01
	27	9,8812	0,9748 n	1,2682	0,0902	9,8676	0,00
Oct.	7	9,8934	0,9718 n	1,2572	0,6688	9,8834	0,00
	17	9,9059	0,9659 n	1,2324	0,9020	9,8986	0,00
	27	9,9193	0,9576 n	1,1919	1,0443	9,9134	0,00
Nov.	6	9,9338	0,9477 n	1,1322	1,1415	9,9276	0,00
	16	9,9493	0,9373 n	1,0466	1,2099	9,9414	0,00
	26	9,9658	0,9275 n	0,9220	1,2574	9,9547	0,00
Dec.	6	9,9829	0,9197 n	0,7252	1,2880	9,9677	+ 0,01
	16	0,0001	0,9149 n	0,8205	1,3028	9,9808	+ 0,01
	26	0,0170	0,9137 n	0,0784 n	1,3066	9,9925	+ 0,01
	36	0,0330	0,9162 n	0,6486 n	1,2987	0,0044	+ 0,01

Tabula VIII.

1765.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	8,8088	0,9148 n	0,5106 n	1,2998	— ∞	+ 0,01
10	9,0117	0,9195 n	0,8074 n	1,2789	8,4362	+ 0,01
20	9,1428	0,9270 n	0,9727 n	1,2425	8,7373	+ 0,02
30	9,2361	0,9361 n	1,0815 n	1,1876	8,9134	+ 0,02
Febr. 9	9,3060	0,9453 n	1,1570 n	1,1092	9,0383	+ 0,02
19	9,3602	0,9537 n	1,2094 n	0,9968	9,1352	+ 0,02
Mart. 1	9,4057	0,9601 n	1,2458 n	0,8264	9,2144	+ 0,02
11	9,4401	0,9638 n	1,2632 n	0,5180	9,2813	+ 0,02
21	9,4713	0,9644 n	1,2690 n	9,2842 n	9,3393	+ 0,01
31	9,5025	0,9617 n	1,2618 n	0,5630 n	9,3905	+ 0,01
Apr. 10	9,5321	0,9559 n	1,2415 n	0,8446 n	9,4362	+ 0,01
20	9,5622	0,9476 n	1,2068 n	1,0046 n	9,4776	+ 0,01
30	9,5933	0,9374 n	1,1556 n	1,1112 n	9,5154	+ 0,01
Maj. 10	9,6253	0,9264 n	1,0836 n	1,1861 n	9,5502	+ 0,01
20	9,6579	0,9156 n	0,9825 n	1,2390 n	9,5824	+ 0,01
30	9,6906	0,9062 n	0,8343 n	1,2750 n	9,6123	+ 0,02
Jun. 9	9,7226	0,8991 n	0,5878 n	1,2969 n	9,6404	+ 0,02
19	9,7533	0,8950 n	9,9096 n	1,3061 n	9,6667	+ 0,02
29	9,7821	0,8944 n	0,3551	1,3033 n	9,6915	+ 0,02
Jul. 9	9,8086	0,8971 n	0,7226	1,2882 n	9,7150	+ 0,02
19	9,8327	0,9027 n	0,9112	1,2601 n	9,7373	+ 0,03
29	9,8540	0,9103 n	1,0336	1,2169 n	9,7585	+ 0,03
Aug. 8	9,8728	0,9186 n	1,1193	1,1552 n	9,7787	+ 0,03
18	9,8891	0,9272 n	1,1808	1,0684 n	9,7980	+ 0,03
28	9,9033	0,9343 n	1,2239	0,9434 n	9,8164	+ 0,03
Sept. 7	9,9159	0,9393 n	1,2518	0,7472 n	9,8342	+ 0,03
17	9,9272	0,9414 n	1,2664	0,3462 n	9,8512	+ 0,02
27	9,9379	0,9403 n	1,2682	0,0902	9,8676	+ 0,02
Oct. 7	9,9485	0,9358 n	1,2572	0,6688	9,8834	+ 0,02
17	9,9595	0,9280 n	1,2324	0,9020	9,8986	+ 0,02
27	9,9712	0,9176 n	1,1919	1,0443	9,9134	+ 0,02
Nov. 6	9,9839	0,9053 n	1,1322	1,1415	9,9276	+ 0,02
16	9,9977	0,8924 n	1,0466	1,2099	9,9414	+ 0,02
26	0,0124	0,8801 n	0,9220	1,2574	9,9547	+ 0,02
Dec. 6	0,0276	0,8698 n	0,7252	1,2880	9,9677	+ 0,03
16	0,0431	0,8629 n	0,3206	1,3038	9,9803	+ 0,03
26	0,0585	0,8600 n	0,0783 n	1,3056	9,9925	+ 0,03
36	0,0728	0,8614 n	0,6485 n	1,2937	0,0044	+ 0,03

Tabula VIII.

1766.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,2249	0,8604 n	0,5105 n	1,2998	— ∞	+ 0,03
10	9,3136	0,8642 n	0,8074 n	1,2789	8,4362	+ 0,03
20	9,3833	0,8711 n	0,9727 n	1,2425	8,7373	+ 0,03
30	9,4389	0,8799 n	1,0815 n	1,1876	8,9134	+ 0,04
Febr. 9	9,4835	0,8891 n	1,1570 n	1,1092	9,0383	+ 0,04
19	9,5198	0,8973 n	1,2094 n	0,9968	9,1352	+ 0,04
Mart. 1	9,5500	0,9032 n	1,2438 n	0,8264	9,2144	+ 0,04
11	9,5759	0,9061 n	1,2632 n	0,5180	9,2813	+ 0,03
21	9,5992	0,9054 n	1,2690 n	9,2840 n	9,3393	+ 0,03
31	9,6215	0,9010 n	1,2618 n	0,5630 n	9,3905	+ 0,03
Apr. 10	9,6438	0,8930 n	1,2415 n	0,8446 n	9,4362	+ 0,03
20	9,6669	0,8820 n	1,2068 n	1,0046 n	9,4776	+ 0,03
30	9,6912	0,8687 n	1,1556 n	1,1112 n	9,5154	+ 0,03
Maj. 10	9,7166	0,8543 n	1,0836 n	1,1861 n	9,5502	+ 0,03
20	9,7429	0,8400 n	0,9825 n	1,2390 n	9,5824	+ 0,03
30	9,7696	0,8272 n	0,8343 n	1,2750 n	9,6123	+ 0,03
Jun. 9	9,7961	0,8171 n	0,5878 n	1,2969 n	9,6404	+ 0,03
19	9,8219	0,8106 n	9,9095 n	1,3061 n	9,6667	+ 0,04
29	9,8463	0,8082 n	0,3552	1,3033 n	9,6915	+ 0,04
Jul. 9	9,8690	0,8100 n	0,7226	1,2882 n	9,7150	+ 0,04
19	9,8898	0,8152 n	0,9112	1,2601 n	9,7373	+ 0,04
29	9,9085	0,8230 n	1,0336	1,2169 n	9,7585	+ 0,04
Aug. 8	9,9246	0,8319 n	1,1193	1,1552 n	9,7787	+ 0,04
18	9,9389	0,8406 n	1,1808	1,0684 n	9,7980	+ 0,04
28	9,9514	0,8478 n	1,2239	0,9434 n	9,8164	+ 0,04
Sept. 7	9,9624	0,8525 n	1,2518	0,7472 n	9,8342	+ 0,04
17	9,9723	0,8537 n	1,2664	0,3462 n	9,8512	+ 0,04
27	9,9817	0,8509 n	1,2682	0,0902	9,8676	+ 0,04
Oct. 7	9,9911	0,8439 n	1,2572	0,6688	9,8834	+ 0,04
17	0,0008	0,8329 n	1,2324	0,9020	9,8986	+ 0,04
27	0,0113	0,8185 n	1,1919	1,0443	9,9134	+ 0,04
Nov. 6	0,0227	0,8015 n	1,1322	1,1415	9,9276	+ 0,04
16	0,0350	0,7834 n	1,0466	1,2099	9,9414	+ 0,04
26	0,0483	0,7658 n	0,9221	1,2574	9,9547	+ 0,04
Dec. 6	0,0621	0,7508 n	0,7252	1,2880	9,9677	+ 0,04
16	0,0762	0,7399 n	0,3206	1,3038	9,9803	+ 0,04
26	0,0901	0,7344 n	0,0782 n	1,3056	9,9925	+ 0,05
36	0,1034	0,7345 n	0,6485 n	1,2937	0,0044	+ 0,05

Tabula VIII.

1767.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,4057	0,7338 n	0,5105 n	1,2998	— ∞	+ 0,05
10	9,4653	0,7372 n	0,8074 n	1,2789	8,4362	+ 0,05
20	9,5148	0,7448 n	0,9727 n	1,2425	8,7373	+ 0,05
30	9,5557	0,7550 n	1,0815 n	1,1876	8,9134	+ 0,05
Febr. 9	9,5896	0,7656 n	1,1570 n	1,1092	9,0383	+ 0,05
19	9,6176	0,7749 n	1,2094 n	0,9968	9,1352	+ 0,05
Mart. 1	9,6412	0,7813 n	1,2438 n	0,8264	9,2144	+ 0,05
11	9,6617	0,7837 n	1,2632 n	0,5180	9,2813	+ 0,05
21	9,6804	0,7813 n	1,2690 n	9,2839 n	9,3393	+ 0,05
31	9,6984	0,7739 n	1,2618 n	0,5630 n	9,3905	+ 0,05
Apr. 10	9,7166	0,7616 n	1,2415 n	0,8446 n	9,4362	+ 0,05
20	9,7356	0,7451 n	1,2068 n	1,0046 n	9,4776	+ 0,05
30	9,7559	0,7252 n	1,1556 n	1,1112 n	9,5154	+ 0,04
Maj. 10	9,7774	0,7033 n	1,0836 n	1,1861 n	9,5502	+ 0,05
20	9,7999	0,6812 n	0,9825 n	1,2390 n	9,5824	+ 0,05
30	9,8229	0,6608 n	0,8343 n	1,2750 n	9,6123	+ 0,05
Jun. 9	9,8460	0,6440 n	0,5877 n	1,2969 n	9,6404	+ 0,05
19	9,8686	0,6324 n	9,9094 n	1,3061 n	9,6667	+ 0,05
29	9,8903	0,6269 n	0,3552	1,3033 n	9,6915	+ 0,05
Jul. 9	9,9105	0,6277 n	0,7227	1,2882 n	9,7150	+ 0,05
19	9,9290	0,6338 n	0,9115	1,2601 n	9,7373	+ 0,06
29	9,9456	0,6437 n	1,0336	1,2169 n	9,7585	+ 0,06
Aug. 8	9,9602	0,6554 n	1,1193	1,1552 n	9,7787	+ 0,06
18	9,9731	0,6667 n	1,1808	1,0684 n	9,7980	+ 0,06
28	9,9843	0,6759 n	1,2239	0,9434 n	9,8164	+ 0,06
Sept. 7	9,9941	0,6812 n	1,2519	0,7471 n	9,8342	+ 0,06
17	0,0031	0,6814 n	1,2664	0,3462 n	9,8512	+ 0,05
27	0,0115	0,6757 n	1,2682	0,0903	9,8676	+ 0,05
Oct. 7	0,0199	0,6637 n	1,2572	0,6688	9,8834	+ 0,05
17	0,0287	0,6453 n	1,2324	0,9020	9,8986	+ 0,05
27	0,0382	0,6211 n	1,1919	1,0443	9,9134	+ 0,05
Nov. 6	0,0486	0,5922 n	1,1322	1,1414	9,9276	+ 0,05
16	0,0600	0,5605 n	1,0466	1,2099	9,9414	+ 0,05
26	0,0722	0,5288 n	0,9221	1,2574	9,9547	+ 0,05
Dec. 6	0,0850	0,5003 n	0,7252	1,2880	9,9677	+ 0,05
16	0,0981	0,4785 n	0,3206	1,3038	9,9803	+ 0,05
26	0,1110	0,4661 n	0,0782 n	1,3056	9,9925	+ 0,05
36	0,1234	0,4640 n	0,6485 n	1,2937	0,0044	+ 0,05

Tabula VIII.

1768.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. r	*E*
Jan. 1	9,4980	0,4636 n	0,5105 n	1,2998	— ∞	+ 0,06
11	9,5457	0,4677 n	0,8074 n	1,2789	8,4362	+ 0,06
21	9,5863	0,4796 n	0,9727 n	1,2425	8,7373	+ 0,06
31	9,6204	0,4961 n	1,0815 n	1,1876	8,9134	+ 0,06
Febr. 10	9,6489	0,5133 n	1,1570 n	1,1092	9,0583	+ 0,06
20	9,6726	0,5280 n	1,2094 n	0,9968	9,1352	+ 0,06
Mart. 1	9,6927	0,5374 n	1,2438 n	0,8264	9,2144	+ 0,06
11	9,7102	0,5398 n	1,2632 n	0,5180	9,2813	+ 0,06
21	9,7263	0,5339 n	1,2690 n	9,2838 n	9,3393	+ 0,06
31	9,7418	0,5190 n	1,2618 n	0,5630 n	9,3905	+ 0,06
Apr. 10	9,7577	0,4949 n	1,2415 n	0,8446 n	9,4362	+ 0,06
20	9,7744	0,4618 n	1,2068 n	1,0046 n	9,4776	+ 0,05
30	9,7924	0,4207 n	1,1556 n	1,1112 n	9,5154	+ 0,05
Maj. 10	9,8115	0,3732 n	1,0836 n	1,1861 n	9,5502	+ 0,05
20	9,8318	0,3219 n	0,9825 n	1,2390 n	9,5824	+ 0,05
30	9,8527	0,2709 n	0,8343 n	1,2750 n	9,6123	+ 0,06
Jun. 9	9,8738	0,2253 n	0,5877 n	1,2969 n	9,6404	+ 0,06
19	9,8945	0,1909 n	9,9093 n	1,3061 n	9,6667	+ 0,06
29	9,9144	0,1724 n	0,3552	1,3033 n	9,6915	+ 0,06
Jul. 9	9,9331	0,1713 n	0,7227	1,2882 n	9,7150	+ 0,06
19	9,9502	0,1855 n	0,9113	1,2601 n	9,7373	+ 0,06
29	9,9656	0,2098 n	1,0336	1,2169 n	9,7585	+ 0,06
Aug. 8	9,9792	0,2381 n	1,1193	1,1552 n	9,7787	+ 0,06
18	9,9911	0,2648 n	1,1808	1,0684 n	9,7980	+ 0,06
28	0,0014	0,2852 n	1,2239	0,9434 n	9,8164	+ 0,06
Sept. 7	0,0105	0,2960 n	1,2519	0,7471 n	9,8342	+ 0,06
17	0,0187	0,2944 n	1,2664	0,3462 n	9,8512	+ 0,06
27	0,0265	0,2783 n	1,2682	0,0908	9,8676	+ 0,06
Oct. 7	0,0342	0,2454 n	1,2572	0,6688	9,8834	+ 0,06
17	0,0423	0,1929 n	1,2324	0,9020	9,8986	+ 0,06
27	0,0512	0,1175 n	1,1919	1,0443	9,9134	+ 0,06
Nov. 6	0,0609	0,0142 n	1,1322	1,1414	9,9276	+ 0,06
16	0,0716	9,8751 n	1,0467	1,2099	9,9414	+ 0,06
26	0,0832	9,6867 n	0,9221	1,2574	9,9547	+ 0,06
Dec. 6	0,0953	9,5215 n	0,7252	1,2880	9,9677	+ 0,06
16	0,1078	9,0065 n	0,3207	1,3038	9,9803	+ 0,06
26	0,1201	7,9639 n	0,0781 n	1,3056	9,9925	+ 0,06
36	0,1319	8,0628	0,6484 n	1,2937	0,0044	+ 0,06

Tabula VIII.

1769.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,5333	8,0738	0,5105 n	1,2998	— ∞	+ 0,06
10	9,5763	7,9395 n	0,8073 n	1,2789	8,4362	+ 0,06
20	9,6132	8,9243 n	0,9727 n	1,2425	8,7373	+ 0,07
30	9,6444	9,2881 n	1,0815 n	1,1876	8,9134	+ 0,07
Febr. 9	9,6704	9,4980 n	1,1570 n	1,1092	9,0383	+ 0,07
19	9,6922	9,6242 n	1,2094 n	0,9968	9,1352	+ 0,06
Mart. 1	9,7106	9,6899 n	1,2438 n	0,8264	9,2144	+ 0,06
11	9,7266	9,7019 n	1,2632 n	0,5181	9,2813	+ 0,06
21	9,7413	9,6544 n	1,2690 n	9,2837 n	9,3393	+ 0,06
31	9,7555	9,5195 n	1,2618 n	0,5630 n	9,3905	+ 0,06
Apr. 10	9,7701	9,1690 n	1,2415 n	0,8446 n	9,4362	+ 0,06
20	9,7857	8,9337	1,2068 n	1,0046 n	9,4776	+ 0,06
30	9,8025	9,5460	1,1556 n	1,1112 n	9,5154	+ 0,06
Maj. 10	9,8206	9,7984	1,0856 n	1,1861 n	9,5502	+ 0,06
20	9,8398	9,9519	0,9825 n	1,2390 n	9,5824	+ 0,06
30	9,8597	0,0535	0,8343 n	1,2750 n	9,6123	+ 0,06
Jun. 9	9,8799	0,1207	0,5877 n	1,2969 n	9,6404	+ 0,06
19	9,8998	0,1617	9,9092 n	1,3061 n	9,6667	+ 0,06
29	9,9189	0,1815	0,3553	1,3033 n	9,6915	+ 0,06
Jul. 9	9,9369	0,1832	0,7227	1,2882 n	9,7150	+ 0,06
19	9,9533	0,1696	0,9113	1,2601 n	9,7373	+ 0,06
29	9,9681	0,1434	1,0336	1,2169 n	9,7585	+ 0,06
Aug. 8	9,9812	0,1084	1,1193	1,1552 n	9,7787	+ 0,07
18	9,9926	0,0702	1,1808	1,0684 n	9,7980	+ 0,06
28	0,0024	0,0366	1,2239	0,9434 n	9,8164	+ 0,06
Sept. 7	0,0111	0,0172	1,2519	0,7471 n	9,8342	+ 0,06
17	0,0188	0,0203	1,2664	0,3462 n	9,8512	+ 0,06
27	0,0262	0,0492	1,2682	0,0903	9,8676	+ 0,06
Oct. 7	0,0335	0,1000	1,2572	0,6688	9,8834	+ 0,06
17	0,0412	0,1640	1,2324	0,9020	9,8986	+ 0,06
27	0,0497	0,2322	1,1919	1,0443	9,9134	+ 0,05
Nov. 6	0,0591	0,2975	1,1322	1,1414	9,9276	+ 0,05
16	0,0694	0,3552	1,0467	1,2099	9,9414	+ 0,05
26	0,0807	0,4029	0,9221	1,2574	9,9547	+ 0,06
Dec. 6	0,0925	0,4392	0,7252	1,2880	9,9677	+ 0,06
16	0,1047	0,4639	0,3207	1,3088	9,9803	+ 0,06
26	0,1168	0,4772	0,0780 n	1,3056	9,9925	+ 0,06
36	0,1284	0,4799	0,6484 n	1,2987	0,0044	+ 0,06

Tabula VIII.

1770.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,5195	0,4800	0,5104 n	1,2998	— ∞	+ 0,06
10	9,5626	0,4767	0,8073 n	1,2789	8,4362	+ 0,06
20	9,5995	0,4653	0,9727 n	1,2425	8,7373	+ 0,06
30	9,6305	0,4481	1,0815 n	1,1876	8,9134	+ 0,06
Febr. 9	9,6564	0,4285	1,1570 n	1,1092	9,0383	+ 0,06
19	9,6779	0,4104	1,2094 n	0,9968	9,1352	+ 0,06
Mart. 1	9,6960	0,3980	1,2438 n	0,8264	9,2144	+ 0,06
11	9,7117	0,3949	1,2632 n	0,5181	9,2813	+ 0,06
21	9,7260	0,4032	1,2690 n	9,2835 n	9,3393	+ 0,06
31	9,7400	0,4227	1,2618 n	0,5630 n	9,3905	+ 0,06
Apr. 10	9,7543	0,4510	1,2415 n	0,8446 n	9,4362	+ 0,05
20	9,7697	0,4848	1,2068 n	1,0046 n	9,4776	+ 0,05
30	9,7864	0,5204	1,1556 n	1,1112 n	9,5154	+ 0,05
Maj. 10	9,8044	0,5546	1,0836 n	1,1861 n	9,5502	+ 0,05
20	9,8237	0,5851	0,9825 n	1,2390 n	9,5824	+ 0,05
30	9,8437	0,6103	0,8343 n	1,2750 n	9,6123	+ 0,05
Jun. 9	9,8640	0,6293	0,5877 n	1,2969 n	9,6404	+ 0,05
19	9,8841	0,6418	9,9092 n	1,3061 n	9,6667	+ 0,05
29	9,9033	0,6478	0,3553	1,3033 n	9,6915	+ 0,06
Jul. 9	9,9214	0,6477	0,7227	1,2882 n	9,7150	+ 0,06
19	9,9380	0,6424	0,9113	1,2601 n	9,7373	+ 0,06
29	9,9528	0,6330	1,0336	1,2169 n	9,7585	+ 0,06
Aug. 8	9,9658	0,6211	1,1193	1,1552 n	9,7787	+ 0,06
18	9,9772	0,6089	1,1808	1,0684 n	9,7980	+ 0,06
28	9,9869	0,5985	1,2239	0,9434 n	9,8164	+ 0,06
Sept. 7	9,9954	0,5923	1,2519	0,7471 n	9,8342	+ 0,06
17	0,0030	0,5922	1,2664	0,3462 n	9,8512	+ 0,05
27	0,0102	0,5991	1,2682	0,0903	9,8676	+ 0,05
Oct. 7	0,0174	0,6131	1,2572	0,6688	9,8834	+ 0,05
17	0,0250	0,6328	1,2324	0,9020	9,8986	+ 0,05
27	0,0334	0,6562	1,1919	1,0443	9,9134	+ 0,05
Nov. 6	0,0427	0,6811	1,1322	1,1414	9,9276	+ 0,05
16	0,0531	0,7050	1,0467	1,2099	9,9414	+ 0,05
26	0,0644	0,7261	0,9221	1,2574	9,9547	+ 0,05
Dec. 6	0,0764	0,7429	0,7253	1,2880	9,9677	+ 0,05
16	0,0886	0,7545	0,3208	1,3038	9,9803	+ 0,05
26	0,1008	0,7605	0,0780 n	1,3056	9,9925	+ 0,05
36	0,1125	0,7610	0,6484 n	1,2937	0,0044	+ 0,05

Tabula VIII.

1771.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,4517	0,7614	0,5104 n	1,2998	— ∞	+ 0,05
10	9,5004	0,7588	0,8073 n	1,2790	8,4362	+ 0,05
20	9,5416	0,7519	0,9727 n	1,2425	8,7373	+ 0,05
30	9,5758	0,7422	1,0815 n	1,1876	8,9134	+ 0,05
Febr. 9	9,6040	0,7313	1,1570 n	1,1092	9,0383	+ 0,05
19	9,6272	0,7214	1,2094 n	0,9968	9,1352	+ 0,05
Mart. 1	9,6466	0,7143	1,2438 n	0,8264	9,2144	+ 0,05
11	9,6632	0,7117	1,2632 n	0,5181	9,2813	+ 0,05
21	9,6784	0,7146	1,2690 n	9,2834 n	9,3393	+ 0,05
31	9,6931	0,7231	1,2618 n	0,5630 n	9,3905	+ 0,04
Apr. 10	9,7082	0,7364	1,2415 n	0,8446 n	9,4362	+ 0,04
20	9,7245	0,7531	1,2068 n	1,0046 n	9,4776	+ 0,04
30	9,7423	0,7716	1,1556 n	1,1112 n	9,5154	+ 0,04
Maj. 10	9,7616	0,7901	1,0836 n	1,1861 n	9,5502	+ 0,04
20	9,7821	0,8071	0,9825 n	1,2390 n	9,5824	+ 0,04
30	9,8035	0,8214	0,8343 n	1,2750 n	9,6123	+ 0,04
Jun. 9	9,8251	0,8322	0,5877 n	1,2969 n	9,6404	+ 0,04
19	9,8464	0,8391	9,9091 n	1,3061 n	9,6667	+ 0,04
29	9,8669	0,8419	0,8553	1,3033 n	9,6915	+ 0,04
Jul. 9	9,8860	0,8409	0,7227	1,2882 n	9,7150	+ 0,05
19	9,9035	0,8364	0,9113	1,2601 n	9,7373	+ 0,05
29	9,9191	0,8294	1,0336	1,2169 n	9,7585	+ 0,05
Aug. 8	9,9327	0,8208	1,1194	1,1552 n	9,7787	+ 0,05
18	9,9445	0,8120	1,1808	1,0684 n	9,7980	+ 0,05
28	9,9546	0,8044	1,2239	0,9434 n	9,8164	+ 0,04
Sept. 7	9,9633	0,7993	1,2519	0,7471 n	9,8342	+ 0,04
17	9,9711	0,7980	1,2664	0,3461 n	9,8512	+ 0,04
27	9,9785	0,8012	1,2682	0,0903	9,8676	+ 0,04
Oct. 7	9,9858	0,8088	1,2572	0,6688	9,8834	+ 0,04
17	9,9936	0,8202	1,2324	0,9020	9,8986	+ 0,04
27	0,0023	0,8344	1,1919	1,0443	9,9134	+ 0,03
Nov. 6	0,0120	0,8499	1,1322	1,1414	9,9276	+ 0,03
16	0,0228	0,8652	1,0467	1,2099	9,9414	+ 0,03
26	0,0346	0,8788	0,9221	1,2574	9,9547	+ 0,03
Dec. 6	0,0470	0,8896	0,7253	1,2880	9,9677	+ 0,03
16	0,0599	0,8968	0,3208	1,3038	9,9803	+ 0,04
26	0,0726	0,9001	0,0779 n	1,3056	9,9925	+ 0,04
36	0,0848	0,8994	0,6484 n	1,2937	0,0044	+ 0,04

Tabula VIII.

1772.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. r	*E*
Jan. 1	9,3076	0,9001	0,5104 n	1,2998	— ∞	+ 0,04
11	9,3721	0,8971	0,8073 n	1,2790	8,4362	+ 0,04
21	9,4258	0,8910	0,9727 n	1,2425	8,7373	+ 0,04
31	9,4689	0,8828	1,0815 n	1,1877	8,9134	+ 0,04
Febr. 10	9,5036	0,8738	1,1570 n	1,1092	9,0383	+ 0,04
20	9,5317	0,8654	1,2094 n	0,9968	9,1352	+ 0,04
Mart. 1	9,5548	0,8591	1,2438 n	0,8264	9,2144	+ 0,04
11	9,5745	0,8559	1,2632 n	0,5181	9,2813	+ 0,03
21	9,5922	0,8567	1,2690 n	9,2835 n	9,3393	+ 0,03
31	9,6095	0,8616	1,2618 n	0,5629 n	9,3905	+ 0,03
Apr. 10	9,6269	0,8700	1,2415 n	0,8446 n	9,4362	+ 0,03
20	9,6458	0,8812	1,2068 n	1,0046 n	9,4776	+ 0,03
30	9,6664	0,8958	1,1556 n	1,1112 n	9,5154	+ 0,03
Maj. 10	9,6886	0,9066	1,0836 n	1,1861 n	9,5502	+ 0,03
20	9,7122	0,9185	0,9825 n	1,2390 n	9,5824	+ 0,02
30	9,7367	0,9285	0,8343 n	1,2750 n	9,6123	+ 0,03
Jun. 9	9,7613	0,9358	0,5877 n	1,2969 n	9,6404	+ 0,03
19	9,7855	0,9401	9,9090 n	1,3061 n	9,6667	+ 0,03
29	9,8085	0,9412	0,3554	1,3053 n	9,6915	+ 0,03
Jul. 9	9,8299	0,9392	0,7228	1,2882 n	9,7150	+ 0,03
19	9,8493	0,9345	0,9113	1,2601 n	9,7373	+ 0,03
29	9,8666	0,9276	1,0336	1,2169 n	9,7585	+ 0,03
Aug. 8	9,8816	0,9196	1,1194	1,1552 n	9,7787	+ 0,03
18	9,8945	0,9113	1,1808	1,0684 n	9,7980	+ 0,03
28	9,9055	0,9039	1,2239	0,9434 n	9,8164	+ 0,03
Sept. 7	9,9149	0,8986	1,2519	0,7471 n	9,8342	+ 0,03
17	9,9234	0,8962	1,2664	0,3461 n	9,8512	+ 0,02
27	9,9313	0,8974	1,2682	0,0903	9,8676	+ 0,02
Oct. 7	9,9392	0,9021	1,2572	0,6688	9,8834	+ 0,02
17	9,9476	0,9101	1,2324	0,9020	9,8986	+ 0,02
27	9,9570	0,9204	1,1919	1,0443	9,9134	+ 0,02
Nov. 6	9,9675	0,9319	1,1322	1,1414	9,9276	+ 0,02
16	9,9792	0,9433	1,0467	1,2099	9,9414	+ 0,01
26	9,9919	0,9535	0,9221	1,2574	9,9547	+ 0,02
Dec. 6	0,0055	0,9614	0,7253	1,2880	9,9677	+ 0,02
16	0,0194	0,9663	0,3208	1,3038	9,9803	+ 0,02
26	0,0331	0,9679	0,0778 n	1,3056	9,9925	+ 0,02
36	0,0463	0,9661	0,6484 n	1,2937	0,0044	+ 0,02

Tabula VIII.

1773.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,0003	0,9671	0,5104 n	1,2998	— ∞	+ 0,02
10	9,1220	0,9634	0,8073 n	1,2790	8,4362	+ 0,02
20	9,2112	0,9569	0,9726 n	1,2425	8,7378	+ 0,02
30	9,2787	0,9486	1,0815 n	1,1877	8,9134	+ 0,02
Febr. 9	9,3305	0,9395	1,1570 n	1,1092	9,0386	+ 0,02
19	9,3709	0,9310	1,2094 n	0,9968	9,1352	+ 0,02
Mart. 1	9,4033	0,9242	1,2438 n	0,8264	9,2144	+ 0,02
11	9,4302	0,9201	1,2632 n	0,5181	9,2813	+ 0,01
21	9,4541	0,9194	1,2690 n	9,2832 n	9,3393	+ 0,01
31	9,4768	0,9222	1,2618 n	0,5629 n	9,3905	+ 0,01
Apr. 10	9,5000	0,9282	1,2415 n	0,8446 n	9,4362	+ 0,01
20	9,5247	0,9366	1,2068 n	1,0046 n	9,4776	+ 0,01
30	9,5512	0,9464	1,1556 n	1,1112 n	9,5154	0,00
Maj. 10	9,5796	0,9564	1,0836 n	1,1861 n	9,5502	0,00
20	9,6095	0,9658	0,9825 n	1,2390 n	9,5824	0,00
30	9,6398	0,9734	0,8342 n	1,2750 n	9,6123	+ 0,01
Jun. 9	9,6701	0,9788	0,5876 n	1,2969 n	9,6404	+ 0,01
19	9,6994	0,9815	9,9089 n	1,3061 n	9,6667	+ 0,01
29	9,7270	0,9812	0,3554	1,3033 n	9,6915	+ 0,01
Jul. 9	9,7525	0,9781	0,7228	1,2882 n	9,7150	+ 0,01
19	9,7754	0,9725	0,9113	1,2601 n	9,7373	+ 0,01
29	9,7956	0,9650	1,0336	1,2169 n	9,7585	+ 0,01
Aug. 8	9,8130	0,9562	1,1194	1,1552 n	9,7787	+ 0,01
18	9,8279	0,9473	1,1808	1,0684 n	9,7980	+ 0,01
28	9,8406	0,9391	1,2239	0,9433 n	9,8164	+ 0,01
Sept. 7	9,8514	0,9328	1,2519	0,7471 n	9,8342	+ 0,01
17	9,8610	0,9291	1,2664	0,3461 n	9,8512	0,00
27	9,8700	0,9288	1,2682	0,0903	9,8676	0,00
Oct. 7	9,8790	0,9318	1,2572	0,6688	9,8834	0,00
17	9,8885	0,9378	1,2324	0,9020	9,8986	0,00
27	9,8991	0,9460	1,1919	1,0443	9,9134	— 0,01
Nov. 6	9,9110	0,9555	1,1322	1,1414	9,9276	— 0,01
16	9,9242	0,9650	1,0467	1,2099	9,9414	— 0,01
26	9,9386	0,9733	0,9221	1,2574	9,9547	— 0,01
Dec. 6	9,9538	0,9796	0,7253	1,2880	9,9677	— 0,01
16	9,9693	0,9830	0,3209	1,3038	9,9803	0,00
26	9,9847	0,9833	0,0778 n	1,3056	9,9925	0,00
36	9,9998	0,9802	0,6484 n	1,2937	0,0044	0,00

Tabula VIII.

1774.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	8,1425 n	0,9817	0,5103 n	1,2998	— ∞	0,00
10	8,2641	0,9768	0,8073 n	1,2790	8,4362	0,00
20	8,6856	0,9692	0,9726 n	1,2425	8,7373	0,00
30	8,8792	0,9597	1,0815 n	1,1877	8,9134	0,00
Febr. 9	8,9988	0,9495	1,1570 n	1,1092	9,0383	0,00
19	9,0812	0,9397	1,2094 n	0,9968	9,1352	0,00
Mart. 1	9,1419	0,9316	1,2438 n	0,8264	9,2144	0,00
11	9,1897	0,9261	1,2632 n	0,5181	9,2813	— 0,01
21	9,2303	0,9239	1,2690 n	9,2831 n	9,3393	— 0,01
31	9,2677	0,9252	1,2618 n	0,5629 n	9,3905	— 0,01
Apr. 10	9,3047	0,9297	1,2415 n	0,8446 n	9,4362	— 0,01
20	9,3427	0,9366	1,2068 n	1,0047 n	9,4776	— 0,01
30	9,3824	0,9449	1,1556 n	1,1112 n	9,5154	— 0,02
Maj. 10	9,4237	0,9537	1,0836 n	1,1861 n	9,5502	— 0,02
20	9,4657	0,9617	0,9825 n	1,2390 n	9,5824	— 0,02
30	9,5076	0,9681	0,8542 n	1,2750 n	9,6123	— 0,02
Jun. 9	9,5482	0,9722	0,5876 n	1,2969 n	9,6404	— 0,02
19	9,5867	0,9736	9,9088 n	1,3061 n	9,6667	— 0,01
29	9,6223	0,9720	0,3554	1,3033 n	9,6915	— 0,01
Jul. 9	9,6545	0,9675	0,7228	1,2882 n	9,7150	— 0,01
19	9,6831	0,9603	0,9113	1,2601 n	9,7373	— 0,01
29	9,7080	0,9512	1,0336	1,2169 n	9,7585	— 0,01
Aug. 8	9,7294	0,9407	1,1194	1,1552 n	9,7787	— 0,01
18	9,7474	0,9300	1,1808	1,0684 n	9,7980	— 0,01
28	9,7627	0,9200	1,2239	0,9433 n	9,8164	— 0,01
Sept. 7	9,7757	0,9118	1,2519	0,7471 n	9,8342	— 0,02
17	9,7873	0,9065	1,2664	0,3461 n	9,8512	— 0,02
27	9,7980	0,9045	1,2682	0,0903	9,8676	— 0,02
Oct. 7	9,8087	0,9062	1,2572	0,6688	9,8834	— 0,02
17	9,8200	0,9110	1,2324	0,9020	9,8986	— 0,02
27	9,8325	0,9185	1,1919	1,0443	9,9134	— 0,02
Nov. 6	9,8464	0,9270	1,1322	1,1414	9,9276	— 0,03
16	9,8619	0,9357	1,0467	1,2099	9,9414	— 0,03
26	9,8786	0,9432	0,9221	1,2574	9,9547	— 0,03
Dec. 6	9,8961	0,9485	0,7258	1,2880	9,9677	— 0,03
16	9,9139	0,9509	0,3209	1,3038	9,9803	— 0,02
26	9,9315	0,9498	0,0777 n	1,3056	9,9925	— 0,02
36	9,9481	0,9451	0,6483 n	1,2957	0,0044	— 0,02

Tabula VIII.

1775.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,0971 n	0,9473	0,5103 n	1,2998	— ∞	—0,02
10	8,9663 n	0,9405	0,3073 n	1,2790	8,4862	—0,02
20	8,7934 n	0,9308	0,9726 n	1,2425	8,7373	—0,02
30	8,5394 n	0,9190	1,0815 n	1,1877	8,9134	—0,02
Febr. 9	8,0135 n	0,9062	1,1570 n	1,1092	9,0383	—0,02
19	8,0340	0,8939	1,2094 n	0,9969	9,1352	—0,02
Mart. 1	8,4659	0,8833	1,2438 n	0,8264	9,2144	—0,02
11	8,6599	0,8756	1,2632 n	0,5181	9,2813	—0,03
21	8,7868	0,8715	1,2690 n	9,2829 n	9,3393	—0,03
31	8,8856	0,8714	1,2618 n	0,5629 n	9,3905	—0,03
Apr. 10	8,9714	0,8749	1,2415 n	0,8446 n	9,4362	—0,03
20	9,0510	0,8811	1,2068 n	1,0047 n	9,4776	—0,03
30	9,1268	0,8891	1,1556 n	1,1112 n	9,5154	—0,04
Maj. 10	9,1996	0,8976	1,0836 n	1,1861 n	9,5502	—0,04
20	9,2689	0,9052	0,9824 n	1,2390 n	9,5824	—0,04
30	9,3338	0,9111	0,8342 n	1,2750 n	9,6123	—0,03
Jun. 9	9,3939	0,9144	0,5876 n	1,2969 n	9,6404	—0,03
19	9,4484	0,9145	9,9087 n	1,3061 n	9,6667	—0,03
29	9,4973	0,9113	0,3555	1,3033 n	9,6915	—0,03
Jul. 9	9,5403	0,9047	0,7228	1,2882 n	9,7150	—0,03
19	9,5777	0,8950	0,9113	1,2601 n	9,7373	—0,03
29	9,6097	0,8829	1,0356	1,2169 n	9,7585	—0,03
Aug. 8	9,6367	0,8691	1,1194	1,1552 n	9,7787	—0,03
18	9,6594	0,8548	1,1808	1,0684 n	9,7980	—0,03
28	9,6785	0,8413	1,2239	0,9433 n	9,8164	—0,03
Sept. 7	9,6947	0,8299	1,2519	0,7471 n	9,8342	—0,03
17	9,7090	0,8218	1,2664	0,3461 n	9,8512	—0,04
27	9,7222	0,8177	1,2682	0,0904	9,8676	—0,04
Oct. 7	9,7354	0,8181	1,2572	0,6688	9,8834	—0,04
17	9,7492	0,8224	1,2324	0,9020	9,8986	—0,04
27	9,7642	0,8297	1,1919	1,0443	9,9134	—0,04
Nov. 6	9,7809	0,8387	1,1322	1,1414	9,9276	—0,04
16	9,7992	0,8479	1,0467	1,2099	9,9414	—0,04
26	9,8188	0,8556	0,9221	1,2574	9,9547	—0,04
Dec. 6	9,8392	0,8607	0,7253	1,2880	9,9677	—0,04
16	9,8599	0,8621	0,3209	1,3038	9,9803	—0,04
26	9,8800	0,8593	0,0776 n	1,3056	9,9925	—0,04
36	9,8990	0,8521	0,6483 n	1,2937	0,0044	—0,04

Tabula VIII.

1776.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 1	9,3427 n	0,8553	0,5103 n	1,2998	— ∞	— 0,04
11	9,2719 n	0,8454	0,8073 n	1,2790	8,4362	— 0,04
21	9,1932 n	0,8318	0,9726 n	1,2425	8,7573	— 0,04
31	9,1067 n	0,8154	1,0815 n	1,1877	8,9134	— 0,04
Febr. 10	9,0125 n	0,7976	1,1570 n	1,1092	9,0383	— 0,04
20	8,9093 n	0,7800	1,2094 n	0,9969	9,1352	— 0,04
Mart. 1	8,7930 n	0,7644	1,2438 n	0,8265	9,2144	— 0,04
11	8,6528 n	0,7525	1,2632 n	0,5181	9,2813	— 0,04
21	8,4591 n	0,7453	1,2690 n	9,2828 n	9,3393	— 0,04
31	8,0959 n	0,7434	1,2618 n	0,5629 n	9,3905	— 0,05
Apr. 10	7,6994	0,7464	1,2415 n	0,8446 n	9,4362	— 0,05
20	8,3895	0,7531	1,2068 n	1,0047 n	9,4776	— 0,05
30	8,6690	0,7622	1,1556 n	1,1112 n	9,5154	— 0,05
Maj. 10	8,8561	0,7718	1,0836 n	1,1861 n	9,5502	— 0,05
20	8,9995	0,7805	0,9824 n	1,2390 n	9,5824	— 0,05
30	9,1159	0,7868	0,8342 n	1,2750 n	9,6123	— 0,05
Jun. 9	9,2129	0,7897	0,5876 n	1,2969 n	9,6404	— 0,05
19	9,2948	0,7884	9,9086 n	1,3061 n	9,6667	— 0,05
29	9,3642	0,7826	0,3555	1,3033 n	9,6915	— 0,05
Jul. 9	9,4229	0,7722	0,7228	1,2882 n	9,7150	— 0,05
19	9,4724	0,7575	0,9113	1,2601 n	9,7373	— 0,04
29	9,5138	0,7391	1,0336	1,2169 n	9,7585	— 0,04
Aug. 8	9,5482	0,7182	1,1194	1,1552 n	9,7787	— 0,04
18	9,5768	0,6961	1,1808	1,0684 n	9,7980	— 0,05
28	9,6006	0,6747	1,2239	0,9433 n	9,8164	— 0,05
Sept. 7	9,6207	0,6560	1,2519	0,7471 n	9,8342	— 0,05
17	9,6384	0,6419	1,2664	0,3461 n	9,8512	— 0,05
27	9,6547	0,6339	1,2682	0,0904	9,8676	— 0,05
Oct. 7	9,6708	0,6325	1,2572	0,6688	9,8834	— 0,05
17	9,6875	0,6378	1,2324	0,9020	9,8986	— 0,05
27	9,7055	0,6467	1,1919	1,0448	9,9134	— 0,06
Nov. 6	9,7252	0,6586	1,1322	1,1414	9,9276	— 0,06
16	9,7466	0,6707	1,0467	1,2099	9,9414	— 0,06
26	9,7693	0,6806	0,9221	1,2574	9,9547	— 0,06
Dec. 6	9,7927	0,6866	0,7253	1,2880	9,9677	— 0,05
16	9,8162	0,6872	0,3210	1,3038	9,9803	— 0,05
26	9,8389	0,6815	0,0776 n	1,3056	9,9925	— 0,05
36	9,8603	0,6690	0,6488 n	1,2957	0,0044	— 0,05

Tabula VIII.

1777.

	Log. A	Log. B	Log. C	Log. D	Log. τ	E
Jan. 0	9,4595 n	0,6745	0,5103 n	1,2998	$-\infty$	—0,05
10	9,4049 n	0,6579	0,8073 n	1,2790	8,4362	—0,05
20	9,3467 n	0,6350	0,9726 n	1,2425	8,7573	—0,05
30	9,2859 n	0,6072	1,0815 n	1,1877	8,9134	—0,05
Febr. 9	9,2236 n	0,5762	1,1570 n	1,1092	9,0383	—0,05
19	9,1604 n	0,5446	1,2094 n	0,9969	9,1352	—0,05
Mart. 1	9,0959 n	0,5154	1,2438 n	0,8265	9,2144	—0,05
11	9,0282 n	0,4919	1,2632 n	0,5182	9,2815	—0,05
21	8,9524 n	0,4766	1,2690 n	9,2827 n	9,3393	—0,05
31	8,8598 n	0,4709	1,2618 n	0,5629 n	9,3905	—0,06
Apr. 10	8,7326 n	0,4748	1,2415 n	0,8446 n	9,4362	—0,06
20	8,5263 n	0,4848	1,2068 n	1,0047 n	9,4776	—0,06
30	8,0214 n	0,4995	1,1556 n	1,1112 n	9,5154	—0,06
Maj. 10	8,1918	0,5151	1,0856 n	1,1861 n	9,5502	—0,06
20	8,6490	0,5289	0,9824 n	1,2390 n	9,5824	—0,06
30	8,8819	0,5384	0,8342 n	1,2750 n	9,6123	—0,06
Jun. 9	9,0407	0,5419	0,5876 n	1,2969 n	9,6404	—0,06
19	9,1604	0,5380	9,9085 n	1,3061 n	9,6667	—0,06
29	9,2547	0,5260	0,3555	1,3033 n	9,6915	—0,06
Jul. 9	9,3308	0,5053	0,7228	1,2882 n	9,7150	—0,06
19	9,3929	0,4759	0,9113	1,2601 n	9,7373	—0,05
29	9,4436	0,4382	1,0386	1,2169 n	9,7585	—0,05
Aug. 8	9,4849	0,3932	1,1194	1,1552 n	9,7787	—0,05
18	9,5193	0,3429	1,1808	1,0684 n	9,7980	—0,05
28	9,5476	0,2905	1,2239	0,9433 n	9,8164	—0,05
Sept. 7	9,5714	0,2410	1,2519	0,7471 n	9,8342	—0,06
17	9,5923	0,2005	1,2664	0,3461 n	9,8512	—0,06
27	9,6114	0,1750	1,2682	0,0904	9,8676	—0,06
Oct. 7	9,6301	0,1680	1,2572	0,6688	9,8834	—0,06
17	9,6494	0,1788	1,2324	0,9020	9,8986	—0,06
27	9,6700	0,2026	1,1919	1,0443	9,9134	—0,06
Nov. 6	9,6922	0,2326	1,1322	1,1414	9,9276	—0,06
16	9,7160	0,2619	1,0467	1,2099	9,9414	—0,06
26	9,7411	0,2851	0,9221	1,2574	9,9547	—0,06
Dec. 6	9,7668	0,2979	0,7254	1,2880	9,9677	—0,06
16	9,7924	0,2975	0,3210	1,3038	9,9803	—0,06
26	9,8170	0,2814	0,0775 n	1,3056	9,9925	—0,06
36	9,8401	0,2474	0,6483 n	1,2937	0,0044	—0,06

Tabula VIII.

1778.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 0	9,5070 n	0,2624	0,5102 n	1,2998	— ∞	— 0,06
10	9,4569 n	0,2161	0,8072 n	1,2790	8,4362	— 0,06
20	9,4099 n	0,1475	0,9726 n	1,2425	8,7373	— 0,06
30	9,3491 n	0,0528	1,0814 n	1,1877	8,9134	— 0,06
Febr. 9	9,2935 n	9,9260	1,1570 n	1,1092	9,0383	— 0,06
19	9,2378 n	9,7572	1,2094 n	0,9969	9,1352	— 0,06
Mart. 1	9,1816 n	9,5284	1,2438 n	0,8265	9,2144	— 0,06
11	9,1284 n	9,2001	1,2632 n	0,5182	9,2813	— 0,06
21	9,0598 n	8,6541	1,2690 n	9,2826 n	9,3393	— 0,06
31	8,8947 n	5,0993 n	1,2618 n	0,5629 n	9,3905	— 0,06
Apr. 10	8,8871 n	8,2460	1,2415 n	0,8446 n	9,4362	— 0,06
20	8,7456 n	8,9316	1,2068 n	1,0047 n	9,4776	— 0,06
30	8,4985 n	9,2685	1,1556 n	1,1112 n	9,5154	— 0,06
Maj. 10	7,6511 n	9,4729	1,0836 n	1,1861 n	9,5502	— 0,06
20	8,4078	9,6000	0,9824 n	1,2390 n	9,5824	— 0,06
30	8,7652	9,6708	0,8342 n	1,2750 n	9,6123	— 0,06
Jun. 9	8,9680	9,6921	0,5876 n	1,2969 n	9,6404	— 0,06
19	9,1098	9,6604	9,9084 n	1,3061 n	9,6667	— 0,06
29	9,2172	9,5561	0,3556	1,3033 n	9,6915	— 0,06
Jul. 9	9,3018	9,3026	0,7228	1,2882 n	9,7150	— 0,06
19	9,3697	8,0613 n	0,9114	1,2601 n	9,7373	— 0,06
29	9,4248	9,4199 n	1,0336	1,2169 n	9,7585	— 0,06
Aug. 8	9,4697	9,7287 n	1,1194	1,1552 n	9,7787	— 0,05
18	9,5064	9,9075 n	1,1808	1,0684 n	9,7980	— 0,05
28	9,5368	0,0254 n	1,2239	0,9433 n	9,8164	— 0,06
Sept. 7	9,5625	0,1045 n	1,2519	0,7471 n	9,8342	— 0,06
17	9,5849	0,1549 n	1,2664	0,3460 n	9,8512	— 0,06
27	9,6055	0,1819 n	1,2682	0,0904	9,8676	— 0,06
Oct. 7	9,6255	0,1889 n	1,2572	0,6688	9,8834	— 0,06
17	9,6460	0,1786 n	1,2324	0,9020	9,8986	— 0,06
27	9,6677	0,1534 n	1,1919	1,0443	9,9134	— 0,06
Nov. 6	9,6909	0,1172 n	1,1322	1,1414	9,9276	— 0,06
16	9,7157	0,0756 n	1,0467	1,2099	9,9414	— 0,06
26	9,7416	0,0373 n	0,9221	1,2574	9,9547	— 0,06
Dec. 6	9,7681	0,0133 n	0,7254	1,2880	9,9677	— 0,06
16	9,7943	0,0137 n	0,3211	1,3038	9,9803	— 0,06
26	9,8195	0,0426 n	0,0774 n	1,3056	9,9925	— 0,06
36	9,8431	0,0953 n	0,6483 n	1,2987	0,0044	— 0,06

Tabula VIII.

1779.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,5010 n	0,0733 n	0,5102 n	1,2998	— ∞	— 0,06
10	9,4485 n	0,1360 n	0,8072 n	1,2790	8,4362	— 0,05
20	9,3927 n	0,2057 n	0,9726 n	1,2425	8,7373	— 0,05
30	9,3343 n	0,2739 n	1,0814 n	1,1877	8,9134	— 0,05
Febr. 9	9,2743 n	0,3350 n	1,1570 n	1,1093	9,0383	— 0,05
19	9,2131 n	0,3859 n	1,2094 n	0,9969	9,1352	— 0,05
Mart. 1	9,1508 n	0,4253 n	1,2438 n	0,8265	9,2144	— 0,05
11	9,0858 n	0,4531 n	1,2632 n	0,5182	9,2813	— 0,06
21	9,0093 n	0,4696 n	1,2690 n	9,2825 n	9,3393	— 0,06
31	8,9185 n	0,4757 n	1,2618 n	0,5629 n	9,3905	— 0,06
Apr. 10	8,7957 n	0,4725 n	1,2415 n	0,8446 n	9,4362	— 0,06
20	8,6022 n	0,4619 n	1,2068 n	1,0047 n	9,4776	— 0,06
30	8,1727 n	0,4459 n	1,1556 n	1,1112 n	9,5154	— 0,06
Maj. 10	8,1210	0,4275 n	1,0836 n	1,1861 n	9,5502	— 0,06
20	8,6460	0,4099 n	0,9824 n	1,2390 n	9,5824	— 0,06
30	8,8917	0,3969 n	0,8342 n	1,2750 n	9,6123	— 0,06
Jun. 9	9,0554	0,3918 n	0,5875 n	1,2969 n	9,6404	— 0,06
19	9,1775	0,3969 n	9,9083 n	1,3061 n	9,6667	— 0,06
29	9,2732	0,4126 n	0,3556	1,3033 n	9,6915	— 0,05
Jul. 9	9,3504	0,4376 n	0,7229	1,2882 n	9,7150	— 0,05
19	9,4133	0,4691 n	0,9114	1,2601 n	9,7373	— 0,05
29	9,4648	0,5037 n	1,0336	1,2169 n	9,7585	— 0,05
Aug. 8	9,5073	0,5385 n	1,1194	1,1552 n	9,7787	— 0,05
18	9,5423	0,5706 n	1,1808	1,0684 n	9,7980	— 0,05
28	9,5715	0,5983 n	1,2239	0,9438 n	9,8164	— 0,05
Sept. 7	9,5963	0,6201 n	1,2519	0,7471 n	9,8342	— 0,05
17	9,6182	0,6353 n	1,2664	0,3460 n	9,8512	— 0,05
27	9,6382	0,6437 n	1,2682	0,0904	9,8676	— 0,05
Oct. 7	9,6577	0,6453 n	1,2572	0,6688	9,8834	— 0,06
17	9,6777	0,6408 n	1,2324	0,9020	9,8986	— 0,06
27	9,6987	0,6314 n	1,1919	1,0443	9,9134	— 0,06
Nov. 6	9,7212	0,6188 n	1,1322	1,1414	9,9276	— 0,06
16	9,7451	0,6051 n	1,0467	1,2099	9,9414	— 0,06
26	9,7701	0,5931 n	0,9221	1,2574	9,9547	— 0,06
Dec. 6	9,7955	0,5854 n	0,7254	1,2880	9,9677	— 0,05
16	9,8208	0,5844 n	0,3211	1,3038	9,9803	— 0,05
26	9,8452	0,5912 n	0,0774 n	1,3056	9,9925	— 0,05
36	9,8680	0,6057 n	0,6483 n	1,2937	0,0044	— 0,05

Tabula VIII.

1780.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 1	9,4412 n	0,5994 n	0,5102 n	1,2998	— ∞	— 0,05
11	9,3788 n	0,6180 n	0,8072 n	1,2790	8,4862	— 0,05
21	9,3104 n	0,6412 n	0,9726 n	1,2425	8,7373	— 0,05
31	9,2365 n	0,6664 n	1,0814 n	1,1877	8,9134	— 0,05
Febr. 10	9,1571 n	0,6912 n	1,1570 n	1,1093	9,0883	— 0,04
20	9,0718 n	0,7134 n	1,2094 n	0,9969	9,1352	— 0,05
Mart. 1	8,9780 n	0,7314 n	1,2438 n	0,8265	9,2144	— 0,05
11	8,8697 n	0,7445 n	1,2682 n	0,5182	9,2813	— 0,05
21	8,7329 n	0,7520 n	1,2690 n	9,2823 n	9,3393	— 0,05
31	8,5303 n	0,7543 n	1,2618 n	0,5629 n	9,3905	— 0,05
Apr. 10	8,1000 n	0,7517 n	1,2415 n	0,8446 n	9,4362	— 0,05
20	8,0320	0,7451 n	1,2068 n	1,0047 n	9,4776	— 0,05
30	8,5657	0,7358 n	1,1556 n	1,1112 n	9,5154	— 0,05
Maj. 10	8,8180	0,7254 n	1,0836 n	1,1861 n	9,5502	— 0,05
20	8,9898	0,7155 n	0,9824 n	1,2390 n	9,5824	— 0,05
30	9,1213	0,7080 n	0,8342 n	1,2750 n	9,6123	— 0,05
Jun. 9	9,2273	0,7043 n	0,5875 n	1,2969 n	9,6404	— 0,05
19	9,3149	0,7056 n	9,9082 n	1,3061 n	9,6667	— 0,05
29	9,3882	0,7122 n	0,3556	1,3033 n	9,6915	— 0,04
Jul. 9	9,4499	0,7237 n	0,7229	1,2882 n	9,7150	— 0,04
19	9,5018	0,7391 n	0,9114	1,2601 n	9,7373	— 0,04
29	9,5454	0,7570 n	1,0356	1,2169 n	9,7585	— 0,04
Aug. 8	9,5819	0,7756 n	1,1194	1,1551 n	9,7787	— 0,04
18	9,6124	0,7934 n	1,1808	1,0684 n	9,7980	— 0,04
28	9,6383	0,8092 n	1,2239	0,9435 n	9,8164	— 0,04
Sept. 7	9,6604	0,8217 n	1,2519	0,7471 n	9,8342	— 0,04
17	9,6800	0,8303 n	1,2664	0,3460 n	9,8512	— 0,04
27	9,6982	0,8346 n	1,2682	0,0904	9,8676	— 0,04
Oct. 7	9,7159	0,8346 n	1,2572	0,6688	9,8834	— 0,04
17	9,7340	0,8307 n	1,2324	0,9020	9,8986	— 0,04
27	9,7532	0,8236 n	1,1919	1,0443	9,9134	— 0,04
Nov. 6	9,7736	0,8144 n	1,1322	1,1414	9,9276	— 0,04
16	9,7954	0,8046 n	1,0467	1,2099	9,9414	— 0,04
26	9,8182	0,7958 n	0,9222	1,2574	9,9547	— 0,04
Dec. 6	9,8416	0,7898 n	0,7254	1,2880	9,9677	— 0,04
16	9,8648	0,7880 n	0,3211	1,3038	9,9803	— 0,04
26	9,8873	0,7910 n	0,0773 n	1,3056	9,9925	— 0,04
36	9,9065	0,7989 n	0,6482 n	1,2987	0,0044	— 0,04

Tabula VIII.

1781.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,3104 n	0,7954 n	0,5102 n	1,2998	— ∞	—0,04
10	9,2218 n	0,8061 n	0,8072 n	1,2790	8,4362	—0,03
20	9,1175 n	0,8201 n	0,9726 n	1,2425	8,7373	—0,03
30	8,9927 n	0,8358 n	1,0814 n	1,1877	8,9134	—0,03
Febr. 9	8,8379 n	0,8516 n	1,1570 n	1,1093	9,0383	—0,03
19	8,6283 n	0,8659 n	1,2094 n	0,9969	9,1352	—0,03
Mart. 1	8,2758 n	0,8776 n	1,2438 n	0,8265	9,2144	—0,03
11	7,4474	0,8859 n	1,2632 n	0,5182	9,2813	—0,03
21	8,3715	0,8903 n	1,2690 n	9,2822 n	9,3393	—0,03
31	8,6471	0,8909 n	1,2618 n	0,5629 n	9,3905	—0,04
Apr. 10	8,8220	0,8879 n	1,2415 n	0,8446 n	9,4362	—0,04
20	8,8564	0,8820 n	1,2068 n	1,0047 n	9,4776	—0,04
30	9,0685	0,8741 n	1,1556 n	1,1112 n	9,5154	—0,04
Maj. 10	9,1666	0,8653 n	1,0836 n	1,1861 n	9,5502	—0,04
20	9,2536	0,8570 n	0,9824 n	1,2390 n	9,5824	—0,04
30	9,3315	0,8503 n	0,8342 n	1,2750 n	9,6123	—0,03
Jun. 9	9,4009	0,8464 n	0,5875 n	1,2969 n	9,6404	—0,03
19	9,4625	0,8460 n	9,9081 n	1,3061 n	9,6667	—0,03
29	9,5168	0,8496 n	0,3557	1,3033 n	9,6915	—0,03
Jul. 9	9,5642	0,8567 n	0,7229	1,2882 n	9,7150	—0,03
19	9,6053	0,8669 n	0,9114	1,2601 n	9,7373	—0,03
29	9,6406	0,8790 n	1,0336	1,2169 n	9,7585	—0,02
Aug. 8	9,6707	0,8920 n	1,1194	1,1551 n	9,7787	—0,02
18	9,6963	0,9045 n	1,1808	1,0684 n	9,7980	—0,02
28	9,7181	0,9156 n	1,2239	0,9433 n	9,8164	—0,02
Sept. 7	9,7371	0,9243 n	1,2519	0,7470 n	9,8342	—0,02
17	9,7541	0,9300 n	1,2664	0,3460 n	9,8512	—0,03
27	9,7699	0,9324 n	1,2682	0,0904	9,8676	—0,03
Oct. 7	9,7853	0,9312 n	1,2572	0,6688	9,8834	—0,03
17	9,8012	0,9269 n	1,2324	0,9020	9,8986	—0,03
27	9,8180	0,9201 n	1,1919	1,0443	9,9134	—0,03
Nov. 6	9,8360	0,9115 n	1,1322	1,1414	9,9276	—0,03
16	9,8553	0,9025 n	1,0467	1,2099	9,9414	—0,03
26	9,8755	0,8942 n	0,9222	1,2574	9,9547	—0,03
Dec. 6	9,8963	0,8882 n	0,7254	1,2880	9,9677	—0,02
16	9,9171	0,8854 n	0,3212	1,3038	9,9803	—0,02
26	9,9374	0,8865 n	0,0772 n	1,3056	9,9925	—0,02
36	9,9566	0,8916 n	0,6482 n	1,2937	0,0044	—0,02

Tabula VIII.

1782.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,0404 n	0,8892 n	0,5101 n	1,2998	— ∞	— 0,02
10	8,8547 n	0,8966 n	0,8072 n	1,2790	8,4362	— 0,02
20	8,5501 n	0,9067 n	0,9726 n	1,2425	8,7573	— 0,02
30	7,3606 n	0,9184 n	1,0814 n	1,1877	8,9134	— 0,01
Febr. 9	8,4421	0,9303 n	1,1570 n	1,1093	9,0383	— 0,01
19	8,7362	0,9411 n	1,2094 n	0,9969	9,1352	— 0,01
Mart. 1	8,8951	0,9498 n	1,2438 n	0,8265	9,2144	— 0,01
11	9,0028	0,9556 n	1,2632 n	0,5182	9,2813	— 0,02
21	9,0857	0,9583 n	1,2690 n	9,2821 n	9,3393	— 0,02
31	9,1556	0,9576 n	1,2618 n	0,5629 n	9,3905	— 0,02
Apr. 10	9,2188	0,9538 n	1,2415 n	0,8446 n	9,4362	— 0,02
20	9,2786	0,9476 n	1,2068 n	1,0047 n	9,4776	— 0,02
30	9,3365	0,9396 n	1,1556 n	1,1112 n	9,5154	— 0,02
Maj. 10	9,3928	0,9308 n	1,0836 n	1,1861 n	9,5502	— 0,02
20	9,4472	0,9223 n	0,9824 n	1,2390 n	9,5824	— 0,02
30	9,4991	0,9153 n	0,8342 n	1,2750 n	9,6123	— 0,02
Jun. 9	9,5479	0,9106 n	0,5875 n	1,2969 n	9,6404	— 0,01
19	9,5931	0,9090 n	9,9080 n	1,3061 n	9,6667	— 0,01
29	9,6343	0,9107 n	0,3557	1,3033 n	9,6915	— 0,01
Jul. 9	9,6713	0,9156 n	0,7229	1,2882 n	9,7150	— 0,01
19	9,7040	0,9232 n	0,9114	1,2601 n	9,7373	— 0,01
29	9,7326	0,9326 n	1,0337	1,2169 n	9,7585	— 0,01
Aug. 8	9,7574	0,9428 n	1,1194	1,1551 n	9,7787	0,00
18	9,7786	0,9528 n	1,1808	1,0683 n	9,7980	0,00
28	9,7970	0,9615 n	1,2239	0,9433 n	9,8164	0,00
Sept. 7	9,8131	0,9682 n	1,2519	0,7470 n	9,8342	— 0,01
17	9,8276	0,9721 n	1,2664	0,3460 n	9,8512	— 0,01
27	9,8411	0,9730 n	1,2682	0,0905	9,8676	— 0,01
Oct. 7	9,8544	0,9708 n	1,2572	0,6688	9,8834	— 0,01
17	9,8681	0,9657 n	1,2324	0,9020	9,8986	— 0,01
27	9,8827	0,9582 n	1,1919	1,0443	9,9134	— 0,01
Nov. 6	9,8984	0,9491 n	1,1322	1,1414	9,9276	— 0,01
16	9,9153	0,9395 n	1,0467	1,2099	9,9414	— 0,01
26	9,9331	0,9306 n	0,9222	1,2574	9,9547	— 0,01
Dec. 6	9,9515	0,9237 n	0,7254	1,2880	9,9677	— 0,01
16	9,9700	0,9198 n	0,3212	1,3038	9,9803	0,00
26	9,9880	0,9194 n	0,0772 n	1,3056	9,9925	0,00
36	0,0052	0,9228 n	0,6482 n	1,2937	0,0044	0,00

Tabula VIII.

1783.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	7,4172 n	0,9211 n	0,5101 n	1,2998	— ∞	0,00
10	8,5536	0,9266 n	0,8072 n	1,2790	8,4362	0,00
20	8,8574	0,9347 n	0,9726 n	1,2425	8,7373	0,00
30	9,0228	0,9444 n	1,0814 n	1,1877	8,9134	0,00
Febr. 9	9,1320	0,9543 n	1,1570 n	1,1093	9,0383	0,00
19	9,2107	0,9633 n	1,2094 n	0,9969	9,1352	0,00
Mart. 1	9,2711	0,9704 n	1,2438 n	0,8265	9,2144	0,00
11	9,3200	0,9747 n	1,2632 n	0,5182	9,2815	0,00
21	9,3621	0,9760 n	1,2690 n	9,2820 n	9,3393	0,00
31	9,4007	0,9741 n	1,2618 n	0,5629 n	9,3905	0,00
Apr. 10	9,4379	0,9693 n	1,2415 n	0,8446 n	9,4362	0,00
20	9,4752	0,9620 n	1,2068 n	1,0047 n	9,4776	0,00
30	9,5130	0,9530 n	1,1556 n	1,1112 n	9,5154	0,00
Maj. 10	9,5514	0,9431 n	1,0836 n	1,1861 n	9,5502	0,00
20	9,5899	0,9336 n	0,9824 n	1,2390 n	9,5824	0,00
30	9,6280	0,9254 n	0,8342 n	1,2750 n	9,6123	0,00
Jun. 9	9,6649	0,9194 n	0,5875 n	1,2969 n	9,6404	0,00
19	9,6999	0,9164 n	9,9079 n	1,3061 n	9,6667	+ 0,01
29	9,7324	0,9167 n	0,3557	1,3033 n	9,6915	+ 0,01
Jul. 9	9,7622	0,9201 n	0,7229	1,2882 n	9,7150	+ 0,01
19	9,7889	0,9262 n	0,9114	1,2601 n	9,7373	+ 0,01
29	9,8126	0,9342 n	1,0337	1,2169 n	9,7585	+ 0,01
Aug. 8	9,8333	0,9431 n	1,1194	1,1551 n	9,7787	+ 0,01
18	9,8512	0,9518 n	1,1808	1,0683 n	9,7980	+ 0,01
28	9,8668	0,9592 n	1,2239	0,9433 n	9,8164	+ 0,01
Sept. 7	9,8805	0,9647 n	1,2519	0,7470 n	9,8342	+ 0,01
17	9,8929	0,9674 n	1,2664	0,3460 n	9,8512	+ 0,01
27	9,9046	0,9671 n	1,2682	0,0905	9,8676	+ 0,01
Oct. 7	9,9161	0,9636 n	1,2572	0,6688	9,8834	+ 0,01
17	9,9280	0,9571 n	1,2324	0,9020	9,8986	+ 0,01
27	9,9407	0,9481 n	1,1919	1,0443	9,9134	+ 0,01
Nov. 6	9,9544	0,9375 n	1,1322	1,1414	9,9276	+ 0,01
16	9,9692	0,9263 n	1,0467	1,2099	9,9414	+ 0,01
26	9,9850	0,9157 n	0,9222	1,2574	9,9547	+ 0,01
Dec. 6	0,0013	0,9071 n	0,7254	1,2880	9,9677	+ 0,01
16	0,0177	0,9016 n	0,3212	1,3038	9,9803	+ 0,01
26	0,0339	0,8998 n	0,0771 n	1,3056	9,9925	+ 0,02
36	0,0498	0,9019 n	0,6482 n	1,2957	0,0044	+ 0,02

Tabula VIII.

1784.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 1	9,0243	0,9006 n	0,5101 n	1,2998	— ∞	+ δ,02
11	9,1584	0,9049 n	0,8072 n	1,2790	8,4962	+ 0,02
21	9,2556	0,9121 n	0,9726 n	1,2425	8,7373	+ 0,02
31	9,3291	0,9209 n	1,0814 n	1,1877	8,9134	+ 0,02
Febr. 10	9,3862	0,9300 n	1,1570 n	1,1095	9,0383	+ 0,02
20	9,4315	0,9382 n	1,2094 n	0,9969	9,1252	+ 0,02
Mart. 1	9,4686	0,9444 n	1,2438 n	0,8265	9,2144	+ 0,02
11	9,5000	0,9477 n	1,2592 n	0,5182	9,2813	+ 0,02
21	9,5280	0,9478 n	1,2690 n	9,2819 n	9,3393	+ 0,02
31	9,5545	0,9445 n	1,2618 n	0,5629 n	9,3905	+ 0,02
Apr. 10	9,5807	0,9380 n	1,2415 n	0,8446 n	9,4362	+ 0,02
20	9,6076	0,9288 n	1,2068 n	1,0047 n	9,4776	+ 0,02
30	9,6356	0,9177 n	1,1556 n	1,1112 n	9,5154	+ 0,02
Maj. 10	9,6646	0,9057 n	1,0836 n	1,1861 n	9,5502	+ 0,02
20	9,6944	0,8938 n	0,9824 n	1,2390 n	9,5824	+ 0,02
30	9,7244	0,8833 n	0,8542 n	1,2750 n	9,6123	+ 0,02
Jun. 9	9,7540	0,8752 n	0,5874 n	1,2969 n	9,6404	+ 0,02
19	9,7825	0,8704 n	9,9078 n	1,3061 n	9,6667	+ 0,02
29	9,8094	0,8692 n	0,3558	1,3033 n	9,6915	+ 0,03
Jul. 9	9,8343	0,8715 n	0,7229	1,2882 n	9,7150	+ 0,03
19	9,8569	0,8769 n	0,9114	1,2601 n	9,7373	+ 0,03
29	9,8770	0,8844 n	1,0337	1,2169 n	9,7585	+ 0,03
Aug. 8	9,8948	0,8929 n	1,1194	1,1551 n	9,7787	+ 0,03
18	9,9102	0,9013 n	1,1808	1,0685 n	9,7980	+ 0,03
28	9,9237	0,9083 n	1,2239	0,9435 n	9,8164	+ 0,03
Sept. 7	9,9356	0,9130 n	1,2519	0,7470 n	9,8342	+ 0,03
17	9,9463	0,9148 n	1,2664	0,3460 n	9,8512	+ 0,03
27	9,9565	0,9131 n	1,2682	0,0905	9,8676	+ 0,03
Oct. 7	9,9666	0,9078 n	1,2572	0,6688	9,8834	+ 0,03
17	9,9770	0,8991 n	1,2324	0,9020	9,8986	+ 0,03
27	9,9882	0,8874 n	1,1919	1,0443	9,9134	+ 0,03
Nov. 6	0,0004	0,8737 n	1,1322	1,1414	9,9276	+ 0,03
16	0,0136	0,8592 n	1,0467	1,2099	9,9414	+ 0,03
26	0,0276	0,8454 n	0,9222	1,2574	9,9547	+ 0,03
Dec. 6	0,0432	0,8337 n	0,7254	1,2880	9,9677	+ 0,03
16	0,0671	0,8255 n	0,8213	1,3038	9,9803	+ 0,03
26	0,0718	0,8218 n	0,0770 n	1,3056	9,9925	+ 0,03
36	0,0658	0,8227 n	0,6482 n	1,2937	0,0044	+ 0,04

Tabula VIII.

1785.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. r	*E*
Jan. 0	9,3096	0,8218 n	0,5101 n	1,2998	— ∞	+ 0,04
10	9,3835	0,8254 n	0,8072 n	1,2790	8,4362	+ 0,04
20	9,4432	0,8325 n	0,9726 n	1,2425	8,7573	+ 0,04
30	9,4917	0,8415 n	1,0814 n	1,1877	8,9134	+ 0,04
Febr. 9	9,5312	0,8510 n	1,1570 n	1,1093	9,0383	+ 0,04
19	9,5636	0,8594 n	1,2094 n	0,9969	9,1352	+ 0,04
Mart. 1	9,5907	0,8654 n	1,2438 n	0,8265	9,2144	+ 0,04
11	9,6141	0,8680 n	1,2632 n	0,5182	9,2813	+ 0,04
21	9,6353	0,8668 n	1,2690 n	9,2817 n	9,3393	+ 0,04
31	9,6557	0,8614 n	1,2618 n	0,5629 n	9,3905	+ 0,04
Apr. 10	9,6761	0,8521 n	1,2415 n	0,8446 n	9,4362	+ 0,04
20	9,6974	0,8394 n	1,2068 n	1,0047 n	9,4776	+ 0,03
30	9,7198	0,8242 n	1,1556 n	1,1113 n	9,5154	+ 0,03
Maj. 10	9,7435	0,8077 n	1,0836 n	1,1861 n	9,5502	+ 0,04
20	9,7681	0,7912 n	0,9824 n	1,2390 n	9,5824	+ 0,04
30	9,7932	0,7762 n	0,8342 n	1,2750 n	9,6123	+ 0,04
Jun. 9	9,8182	0,7642 n	0,5874 n	1,2969 n	9,6404	+ 0,04
19	9,8425	0,7563 n	9,9078 n	1,3061 n	9,6667	+ 0,04
29	9,8657	0,7530 n	0,3558	1,3033 n	9,6915	+ 0,04
Jul. 9	9,8873	0,7544 n	0,7230	1,2882 n	9,7150	+ 0,04
19	9,9071	0,7598 n	0,9114	1,2601 n	9,7373	+ 0,05
29	9,9248	0,7680 n	1,0337	1,2169 n	9,7585	+ 0,05
Aug. 8	9,9404	0,7775 n	1,1194	1,1551 n	9,7787	+ 0,05
18	9,9540	0,7868 n	1,1808	1,0683 n	9,7980	+ 0,05
28	9,9660	0,7945 n	1,2239	0,9433 n	9,8164	+ 0,05
Sept. 7	9,9765	0,7992 n	1,2519	0,7470 n	9,8342	+ 0,05
17	9,9860	0,8001 n	1,2664	0,3459 n	9,8512	+ 0,05
27	9,9950	0,7964 n	1,2682	0,0905	9,8676	+ 0,04
Oct. 7	0,0039	0,7880 n	1,2572	0,6688	9,8834	+ 0,04
17	0,0133	0,7749 n	1,2324	0,9020	9,8986	+ 0,04
27	0,0233	0,7578 n	1,1919	1,0448	9,9134	+ 0,04
Nov. 6	0,0343	0,7376 n	1,1322	1,1414	9,9276	+ 0,04
16	0,0462	0,7160 n	1,0467	1,2099	9,9414	+ 0,04
26	0,0590	0,6949 n	0,9222	1,2574	9,9547	+ 0,04
Dec. 6	0,0724	0,6764 n	0,7255	1,2880	9,9677	+ 0,04
16	0,0861	0,6628 n	0,3213	1,3038	9,9803	+ 0,05
26	0,0995	0,6556 n	0,0770 n	1,3056	9,9925	+ 0,05
36	0,1125	0,6550 n	0,6481 n	1,2957	0,0044	+ 0,05

Tabula VIII.

1786.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 0	9,4494	0,6545 n	0,5100 n	1,2998	— ∞	+ 0,05
10	9,5082	0,6579 n	0,3072 n	1,2790	8,4362	+ 0,05
20	9,5484	0,6664 n	0,9726 n	1,2425	8,7873	+ 0,05
30	9,5861	0,6779 n	1,0814 n	1,1877	8,9134	+ 0,05
Febr. 9	9,6174	0,6900 n	1,1570 n	1,1095	9,0883	+ 0,05
19	9,6434	0,7006 n	1,2094 n	0,9969	9,1852	+ 0,05
Mart. 1	9,6654	0,7076 n	1,2438 n	0,8265	9,2144	+ 0,05
11	9,6845	0,7099 n	1,2632 n	0,5183	9,2813	+ 0,05
21	9,7020	0,7065 n	1,2690 n	9,2816 n	9,3393	+ 0,05
31	9,7189	0,6972 n	1,2618 n	0,5629 n	9,3905	+ 0,05
Apr. 10	9,7360	0,6820 n	1,2415 n	0,8446 n	9,4362	+ 0,05
20	9,7540	0,6614 n	1,2068 n	1,0047 n	9,4776	+ 0,05
30	9,7732	0,6366 n	1,1556 n	1,1113 n	9,5154	+ 0,05
Maj. 10	9,7937	0,6090 n	1,0836 n	1,1861 n	9,5502	+ 0,05
20	9,8151	0,5807 n	0,9824 n	1,2390 n	9,5824	+ 0,05
30	9,8372	0,5541 n	0,8341 n	1,2750 n	9,6123	+ 0,05
Jun. 9	9,8594	0,5318 n	0,5874 n	1,2969 n	9,6404	+ 0,05
19	9,8811	0,5160 n	9,9077 n	1,3061 n	9,6667	+ 0,05
29	9,9020	0,5081 n	0,3558	1,3033 n	9,6915	+ 0,05
Jul. 9	9,9215	0,5085 n	0,7230	1,2882 n	9,7150	+ 0,05
19	9,9393	0,5158 n	0,9114	1,2601 n	9,7373	+ 0,06
29	9,9554	0,5281 n	1,0337	1,2169 n	9,7585	+ 0,06
Aug. 8	9,9696	0,5426 n	1,1194	1,1551 n	9,7787	+ 0,06
18	9,9820	0,5567 n	1,1808	1,0683 n	9,7980	+ 0,06
28	9,9928	0,5678 n	1,2239	0,9433 n	9,8164	+ 0,06
Sept. 7	0,0023	0,5741 n	1,1519	0,7470 n	9,8342	+ 0,06
17	0,0109	0,5738 n	1,2664	0,3459 n	9,8512	+ 0,05
27	0,0191	0,5660 n	1,2682	0,0905	9,8676	+ 0,05
Oct. 7	0,0272	0,5499 n	1,2572	0,6688	9,8834	+ 0,05
17	0,0357	0,5252 n	1,2324	0,9020	9,8986	+ 0,05
27	0,0449	0,4924 n	1,1919	1,0443	9,9134	+ 0,05
Nov. 6	0,0550	0,4524 n	1,1322	1,1414	9,9276	+ 0,05
16	0,0661	0,4074 n	1,0467	1,2099	9,9414	+ 0,05
26	0,0780	0,3607 n	0,9222	1,2574	9,9547	+ 0,05
Dec. 6	0,0905	0,3173 n	0,7255	1,2880	9,9677	+ 0,05
16	0,1033	0,2827 n	0,3214	1,3038	9,9803	+ 0,05
26	0,1160	0,2620 n	0,0769 n	1,3056	9,9925	+ 0,06
36	0,1281	0,2579 n	0,6481 n	1,2987	0,0044	+ 0,06

Tabula VIII.

1787.

		Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan.	0	9,5177	0,2575 n	0,5100 n	1,2998	— ∞	+ 0,06
	10	9,5630	0,2631 n	0,8071 n	1,2790	8,4362	+ 0,06
	20	9,6017	0,2813 n	0,9726 n	1,2425	8,7373	+ 0,06
	30	9,6343	0,3062 n	1,0814 n	1,1877	8,9134	+ 0,06
Febr.	9	9,6615	0,3319 n	1,1570 n	1,1093	9,0383	+ 0,06
	19	9,6842	0,3534 n	1,2094 n	0,9969	9,1352	+ 0,06
Mart.	1	9,7035	0,3669 n	1,2438 n	0,8265	9,2144	+ 0,06
	11	9,7208	0,3699 n	1,2632 n	0,5183	9,2813	+ 0,06
	21	9,7357	0,3605 n	1,2690 n	9,2815 n	9,3393	+ 0,06
	31	9,7506	0,3374 n	1,2619 n	0,5629 n	9,3905	+ 0,06
Apr.	10	9,7658	0,2996 n	1,2415 n	0,8446 n	9,4362	+ 0,05
	20	9,7820	0,2459 n	1,2068 n	1,0047 n	9,4776	+ 0,05
	30	9,7994	0,1753 n	1,1556 n	1,1113 n	9,5154	+ 0,05
Maj.	10	9,8180	0,0869 n	1,0836 n	1,1861 n	9,5502	+ 0,05
	20	9,8377	9,9805 n	0,9824 n	1,2390 n	9,5824	+ 0,05
	30	9,8581	9,8580 n	0,8341 n	1,2751 n	9,6123	+ 0,05
Jun.	9	9,8787	9,7267 n	0,5874 n	1,2969 n	9,6404	+ 0,06
	19	9,8990	9,6052 n	9,9076 n	1,3061 n	9,6667	+ 0,06
	29	9,9185	9,5262 n	0,3559	1,3038 n	9,6915	+ 0,06
Jul.	9	9,9368	9,5188 n	0,7230	1,2882 n	9,7150	+ 0,06
	19	9,9536	9,5770 n	0,9114	1,2601 n	9,7373	+ 0,06
	29	9,9687	9,6666 n	1,0357	1,2169 n	9,7585	+ 0,06
Aug.	8	9,9820	9,7571 n	1,1194	1,1551 n	9,7787	+ 0,06
	18	9,9936	9,8322 n	1,1806	1,0688 n	9,7980	+ 0,06
	28	0,0037	9,8845 n	1,2239	0,9438 n	9,8164	+ 0,06
Sept.	7	0,0126	9,9105 n	1,2519	0,7470 n	9,8342	+ 0,06
	17	0,0206	9,9058 n	1,2664	0,3459 n	9,8512	+ 0,06
	27	0,0282	9,8645 n	1,2682	0,0905	9,8676	+ 0,06
Oct.	7	0,0357	9,7724 n	1,2572	0,6688	9,8834	+ 0,06
	17	0,0437	9,5921 n	1,2324	0,9020	9,8986	+ 0,06
	27	0,0523	9,1506 n	1,1919	1,0448	9,9134	+ 0,05
Nov.	6	0,0619	9,1363	1,1322	1,1414	9,9276	+ 0,05
	16	0,0724	9,6239	1,0467	1,2099	9,9414	+ 0,05
	26	0,0838	9,8359	0,9222	1,2574	9,9547	+ 0,05
Dec.	6	0,0958	9,9581	0,7255	1,2880	9,9677	+ 0,06
	16	0,1081	0,0298	0,3214	1,3038	9,9806	+ 0,06
	26	0,1208	0,0659	0,0768 n	1,3056	9,9925	+ 0,06
	36	0,1320	0,0737	0,6481 n	1,2937	0,0044	+ 0,06

Tabula VIII.

1788.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 1	9,5338	0,0737	0,5100 n	1,2998	— ∞	+ 0,06
11	9,5763	0,0662	0,3071 n	1,2790	8,4962	+ 0,06
21	9,6128	0,0373	0,9725 n	1,2425	8,7373	+ 0,06
31	9,6436	9,9910	1,0614 n	1,1877	8,9134	+ 0,06
Febr. 10	9,6693	9,9338	1,1570 n	1,1098	9,0883	+ 0,06
20	9,6908	9,8764	1,2094 n	0,9969	9,1852	+ 0,06
Mart. 1	9,7089	9,8345	1,2438 n	0,8265	9,2144	+ 0,06
11	9,7246	9,8255	1,2632 n	0,5183	9,2813	+ 0,06
21	9,7390	9,8578	1,2690 n	9,2814 n	9,3398	+ 0,06
31	9,7530	9,9246	1,2619 n	0,5629 n	9,3905	+ 0,06
Apr. 10	9,7674	0,0099	1,2415 n	0,8446 n	9,4362	+ 0,06
20	9,7828	0,0989	1,2068 n	1,0047 n	9,4776	+ 0,05
30	9,7994	0,1820	1,1556 n	1,1113 n	9,5154	+ 0,05
Maj. 10	9,8174	0,2545	1,0836 n	1,1861 n	9,5502	+ 0,05
20	9,8365	0,3143	0,9824 n	1,2390 n	9,5824	+ 0,05
30	9,8568	0,3612	0,8341 n	1,2751 n	9,6123	+ 0,05
Jun. 9	9,8764	0,3953	0,5874 n	1,2969 n	9,6404	+ 0,05
19	9,8962	0,4173	9,9075 n	1,3061 n	9,6667	+ 0,06
29	9,9158	0,4281	0,3559	1,3063 n	9,6915	+ 0,06
Jul. 9	9,9352	0,4288	0,7230	1,2882 n	9,7150	+ 0,06
19	9,9496	0,4209	0,9114	1,2601 n	9,7373	+ 0,06
29	9,9644	0,4061	1,0337	1,2169 n	9,7585	+ 0,06
Aug. 8	9,9774	0,3870	1,1194	1,1551 n	9,7787	+ 0,06
18	9,9886	0,3669	1,1808	1,0685 n	9,7980	+ 0,06
28	9,9984	0,3499	1,2239	0,9433 n	9,8164	+ 0,06
Sept. 7	0,0069	0,3401	1,2519	0,7470 n	9,8342	+ 0,06
17	0,0146	0,3412	1,2664	0,3459 n	9,8512	+ 0,06
27	0,0219	0,3547	1,2682	0,0905	9,8676	+ 0,06
Oct. 7	0,0291	0,3802	1,2572	0,6688	9,8834	+ 0,05
17	0,0368	0,4145	1,2324	0,9020	9,8986	+ 0,05
27	0,0451	0,4537	1,1919	1,0448	9,9134	+ 0,05
Nov. 6	0,0545	0,4956	1,1322	1,1414	9,9276	+ 0,05
16	0,0648	0,5309	1,0467	1,2099	9,9414	+ 0,05
26	0,0760	0,5629	0,9222	1,2574	9,9547	+ 0,05
Dec. 6	0,0879	0,5880	0,7255	1,2880	9,9677	+ 0,05
16	0,1000	0,6054	0,3214	1,3087	9,9808	+ 0,05
26	0,1121	0,6147	0,0768 n	1,3056	9,9925	+ 0,05
36	0,1237	0,6163	0,6481 n	1,2987	0,0044	+ 0,06

Tabula VIII.

1789.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,5003	0,6165	0,5100 n	1,2998	— ∞	+ 0,05
10	9,5449	0,6137	0,8071 n	1,2790	8,4362	+ 0,06
20	9,5828	0,6050	0,9725 n	1,2425	8,7373	+ 0,06
30	9,6146	0,5923	1,0814 n	1,1877	8,9134	+ 0,06
Febr. 9	9,6411	0,5778	1,1570 n	1,1095	9,0383	+ 0,06
19	9,6630	0,5646	1,2094 n	0,9969	9,1352	+ 0,06
Mart. 1	9,6813	0,5555	1,2438 n	0,8265	9,2144	+ 0,05
11	9,6972	0,5528	1,2632 n	0,5183	9,2813	+ 0,05
21	9,7117	0,5581	1,2690 n	9,2812 n	9,3393	+ 0,05
31	9,7258	0,5713	1,2619 n	0,5629 n	9,3905	+ 0,05
Apr. 10	9,7403	0,5912	1,2415 n	0,8446 n	9,4362	+ 0,05
20	9,7559	0,6154	1,2068 n	1,0047 n	9,4776	+ 0,05
30	9,7728	0,6416	1,1556 n	1,1113 n	9,5154	+ 0,05
Maj. 10	9,7912	0,6673	1,0836 n	1,1861 n	9,5502	+ 0,05
20	9,8108	0,6906	0,9824 n	1,2391 n	9,5824	+ 0,05
30	9,8311	0,7101	0,8341 n	1,2751 n	9,6123	+ 0,05
Jun. 9	9,8518	0,7249	0,5874 n	1,2969 n	9,6404	+ 0,05
19	9,8722	0,7345	9,9074 n	1,3061 n	9,6667	+ 0,05
29	9,8918	0,7389	0,3560	1,3033 n	9,6915	+ 0,05
Jul. 9	9,9101	0,7385	0,7230	1,2882 n	9,7150	+ 0,05
19	9,9269	0,7337	0,9115	1,2601 n	9,7373	+ 0,05
29	9,9420	0,7256	1,0357	1,2169 n	9,7585	+ 0,05
Aug. 8	9,9551	0,7156	1,1194	1,1551 n	9,7787	+ 0,05
18	9,9666	0,7054	1,1808	1,0683 n	9,7980	+ 0,05
28	9,9764	0,6966	1,2239	0,9433 n	9,8164	+ 0,05
Sept. 7	9,9849	0,6912	1,2519	0,7470 n	9,8342	+ 0,05
17	9,9926	0,6905	1,2664	0,3459 n	9,8512	+ 0,05
27	9,9998	0,6956	1,2682	0,0905	9,8676	+ 0,05
Oct. 7	0,0070	0,7062	1,2572	0,6688	9,8834	+ 0,04
17	0,0147	0,7217	1,2324	0,9020	9,8986	+ 0,04
27	0,0231	0,7404	1,1919	1,0443	9,9134	+ 0,04
Nov. 6	0,0325	0,7605	1,1322	1,1414	9,9276	+ 0,04
16	0,0430	0,7801	1,0467	1,2099	9,9414	+ 0,04
26	0,0544	0,7974	0,9222	1,2574	9,9547	+ 0,04
Dec. 6	0,0666	0,8113	0,7255	1,2880	9,9677	+ 0,04
16	0,0790	0,8208	0,3215	1,3037	9,9803	+ 0,04
26	0,0913	0,8255	0,0767 n	1,3056	9,9925	+ 0,04
36	0,1032	0,8255	0,6481 n	1,2937	0,0044	+ 0,04

Tabula VIII.

1790.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,4073	0,8260	0,5099 n	1,2998	— ∞	+ 0,04
10	9,4605	0,8233	0,8071 n	1,2790	8,4362	+ 0,05
20	9,5049	0,8170	0,9725 n	1,2425	8,7373	+ 0,05
30	9,5416	0,8081	1,0814 n	1,1877	8,9134	+ 0,05
Febr. 9	9,5717	0,7983	1,1569 n	1,1093	9,0883	+ 0,05
19	9,5963	0,7893	1,2094 n	0,9969	9,1352	+ 0,04
Mart. 1	9,6167	0,7827	1,2438 n	0,8266	9,2144	+ 0,04
11	9,6342	0,7800	1,2632 n	0,5183	9,2813	+ 0,04
21	9,6501	0,7819	1,2690 n	9,2811 n	9,3393	+ 0,04
31	9,6655	0,7887	1,2619 n	0,5629 n	9,3905	+ 0,04
Apr. 10	9,6813	0,7996	1,2415 n	0,8446 n	9,4362	+ 0,04
20	9,6985	0,8136	1,2068 n	1,0047 n	9,4776	+ 0,03
30	9,7170	0,8292	1,1556 n	1,1113 n	9,5154	+ 0,03
Maj. 10	9,7372	0,8450	1,0835 n	1,1861 n	9,5502	+ 0,03
20	9,7586	0,8595	0,9824 n	1,2391 n	9,5824	+ 0,03
30	9,7810	0,8718	0,8341 n	1,2751 n	9,6123	+ 0,03
Jun. 9	9,8035	0,8810	0,5875 n	1,2969 n	9,6404	+ 0,03
19	9,8257	0,8867	9,9073 n	1,3061 n	9,6667	+ 0,04
29	9,8470	0,8887	0,8560	1,3033 n	9,6915	+ 0,04
Jul. 9	9,8668	0,8873	0,7230	1,2882 n	9,7150	+ 0,04
19	9,8849	0,8829	0,9115	1,2601 n	9,7373	+ 0,04
29	9,9010	0,8760	1,0337	1,2169 n	9,7585	+ 0,04
Aug. 8	9,9150	0,8678	1,1194	1,1551 n	9,7787	+ 0,04
18	9,9272	0,8594	1,1808	1,0683 n	9,7980	+ 0,04
28	9,9375	0,8521	1,2239	0,9432 n	9,8164	+ 0,04
Sept. 7	9,9465	0,8470	1,2519	0,7470 n	9,8342	+ 0,04
17	9,9545	0,8453	1,2664	0,3459 n	9,8512	+ 0,03
27	9,9620	0,8476	1,2682	0,0906	9,8676	+ 0,03
Oct. 7	9,9695	0,8539	1,2572	0,6688	9,8834	+ 0,03
17	9,9775	0,8687	1,2324	0,9020	9,8986	+ 0,03
27	9,9864	0,8760	1,1919	1,0443	9,9134	+ 0,03
Nov. 6	9,9963	0,8896	1,1322	1,1414	9,9276	+ 0,03
16	0,0074	0,9081	1,0467	1,2099	9,9414	+ 0,02
26	0,0195	0,9151	0,9222	1,2574	9,9547	+ 0,03
Dec. 6	0,0323	0,9245	0,7255	1,2880	9,9677	+ 0,03
16	0,0455	0,9307	0,3215	1,3037	9,9803	+ 0,03
26	0,0585	0,9333	0,0766 n	1,3056	9,9925	+ 0,03
36	0,0711	0,9322	0,6481 n	1,2937	0,0044	+ 0,03

Tabula VIII.

1791.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 0	9,2183	0,9330	0,5099 n	1,2998	— ∞	+ 0,05
10	9,2965	0,9297	0,8071 n	1,2790	8,4362	+ 0,05
20	9,3587	0,9236	0,9725 n	1,2425	8,7573	+ 0,05
30	9,4083	0,9155	1,0814 n	1,1877	8,9134	+ 0,05
Febr. 9	9,4476	0,9066	1,1569 n	1,1093	9,0383	+ 0,05
19	9,4791	0,8983	1,2094 n	0,9969	9,1352	+ 0,05
Mart. 1	9,5048	0,8919	1,2438 n	0,8266	9,2144	+ 0,05
11	9,5266	0,8884	1,2632 n	0,5183	9,2813	+ 0,02
21	9,5460	0,8886	1,2690 n	9,2810 u	9,3393	+ 0,02
31	9,5648	0,8926	1,2619 n	0,5629 n	9,3905	+ 0,02
Apr. 10	9,5840	0,8999	1,2415 n	0,8446 n	9,4362	+ 0,02
20	9,6046	0,9098	1,2068 n	1,0047 n	9,4776	+ 0,02
30	9,6270	0,9211	1,1556 n	1,1118 n	9,5154	+ 0,02
Maj. 10	9,6511	0,9326	1,0885 n	1,1861 n	9,5502	+ 0,02
20	9,6767	0,9433	0,9824 n	1,2391 n	9,5824	+ 0,02
30	9,7030	0,9522	0,8541 n	1,2751 n	9,6123	+ 0,02
Jun. 9	9,7294	0,9587	0,5873 n	1,2969 n	9,6404	+ 0,02
19	9,7552	0,9623	9,9072 n	1,3061 n	9,6667	+ 0,02
29	9,7798	0,9623	0,3560	1,3033 n	9,6915	+ 0,02
Jul. 9	9,8025	0,9604	0,7230	1,2882 n	9,7150	+ 0,02
19	9,8231	0,9554	0,9115	1,2601 n	9,7373	+ 0,02
29	9,8413	0,9484	1,0337	1,2169 n	9,7585	+ 0,02
Aug. 8	9,8571	0,9402	1,1194	1,1551 n	9,7787	+ 0,02
18	9,8706	0,9318	1,1808	1,0683 n	9,7980	+ 0,02
28	9,8821	0,9242	1,2239	0,9432 n	9,8164	+ 0,02
Sept. 7	9,8920	0,9186	1,2519	0,7470 n	9,8342	+ 0,02
17	9,9008	0,9158	1,2664	0,3459 n	9,8512	+ 0,01
27	9,9091	0,9163	1,2682	0,0906	9,8676	+ 0,01
Oct. 7	9,9173	0,9203	1,2572	0,6688	9,8834	+ 0,01
17	9,9261	0,9274	1,2324	0,9020	9,8986	+ 0,01
27	9,9359	0,9368	1,1919	1,0443	9,9134	+ 0,01
Nov. 6	9,9469	0,9473	1,1322	1,1414	9,9276	+ 0,01
16	9,9591	0,9578	1,0467	1,2099	9,9414	+ 0,01
26	9,9724	0,9671	0,9222	1,2574	9,9547	+ 0,01
Dec. 6	9,9865	0,9743	0,7255	1,2880	9,9677	+ 0,01
16	0,0009	0,9786	0,3215	1,3057	9,9803	+ 0,01
26	0,0152	0,9796	0,0766 n	1,3056	9,9925	+ 0,01
36	0,0289	0,9774	0,6480 n	1,2937	0,0044	+ 0,01

Tabula VIII.

1792.

	Log. A	Log. B	Log. C	Log. D	Log. r	E
Jan. 1	8,7520	0,9786	0,5099 n	1,2998	— ∞	+ 0,01
11	8,9483	0,9744	0,8071 n	1,2790	8,4362	+ 0,01
21	9,0752	0,9676	0,9725 n	1,2425	8,7373	+ 0,01
31	9,1648	0,9589	1,0814 n	1,1877	8,9154	+ 0,01
Febr. 10	9,2309	0,9496	1,1569 n	1,1093	9,0883	+ 0,01
20	9,2810	0,9407	1,2098 n	0,9969	9,1852	+ 0,01
Mart. 1	9,3203	0,9335	1,2438 n	0,8266	9,2144	+ 0,01
11	9,3526	0,9289	1,2652 n	0,5188	9,2813	+ 0,01
21	9,3808	0,9276	1,2690 n	9,2809 n	9,3393	0,00
31	9,4076	0,9298	1,2619 n	0,5629 n	9,3905	0,00
Apr. 10	9,4345	0,9351	1,2415 n	0,8446 n	9,4362	0,00
20	9,4630	0,9429	1,2068 n	1,0047 n	9,4776	0,00
30	9,4934	0,9520	1,1556 n	1,1113 n	9,5154	0,00
Maj. 10	9,5256	0,9614	1,0835 n	1,1861 n	9,5502	0,00
20	9,5591	0,9701	0,9824 n	1,2391 n	9,5824	0,00
30	9,5931	0,9772	0,8841 n	1,2751 n	9,6123	0,00
Jun. 9	9,6267	0,9820	0,5873 n	1,2969 n	9,6404	0,00
19	9,6590	0,9841	9,9071 n	1,3061 n	9,6667	0,00
29	9,6892	0,9834	0,3561	1,3085 n	9,6915	0,00
Jul. 9	9,7169	0,9798	0,7231	1,2882 n	9,7150	0,00
19	9,7417	0,9737	0,9115	1,2600 n	9,7373	0,00
29	9,7635	0,9656	1,0337	1,2169 n	9,7585	0,00
Aug. 8	9,7822	0,9564	1,1194	1,1551 n	9,7787	0,00
18	9,7982	0,9468	1,1808	1,0685 n	9,7980	0,00
28	9,8117	0,9381	1,2259	0,9432 n	9,8164	0,00
Sept. 7	9,8233	0,9312	1,2519	0,7470 n	9,8342	0,00
17	9,8335	0,9270	1,2664	0,3458 n	9,8512	— 0,01
27	9,8431	0,9260	1,2682	0,0906	9,8676	— 0,01
Oct. 7	9,8526	0,9284	1,2572	0,6688	9,8834	— 0,01
17	9,8628	0,9339	1,2324	0,9020	9,8986	— 0,01
27	9,8740	0,9417	1,1919	1,0448	9,9134	— 0,01
Nov. 6	9,8866	0,9507	1,1322	1,1414	9,9276	— 0,01
16	9,9006	0,9598	1,0467	1,2099	9,9414	— 0,01
26	9,9158	0,9677	0,9222	1,2574	9,9547	— 0,01
Dec. 6	9,9319	0,9735	0,7256	1,2880	9,9677	— 0,01
16	9,9482	0,9765	0,3216	1,3037	9,9803	— 0,01
26	9,9643	0,9763	0,0765 n	1,3056	9,9925	— 0,01
36	9,9797	0,9727	0,6480 n	1,2987	0,0044	— 0,01

Tabula VIII.

1793.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 0	8,7657 n	0,9744	0,5099 n	1,2998	— ∞	—0,01
10	8,4103 n	0,9688	0,8071 n	1,2790	8,4362	—0,01
20	7,6493	0,9605	0,9725 n	1,2425	8,7373	—0,01
30	8,5020	0,9503	1,0814 n	1,1877	8,9134	—0,01
Febr. 9	8,7470	0,9393	1,1569 n	1,1093	9,0383	—0,01
19	8,8851	0,9288	1,2093 n	0,9970	9,1352	—0,01
Mart. 1	8,9774	0,9198	1,2438 n	0,8266	9,2144	—0,01
11	9,0459	0,9136	1,2632 n	0,5183	9,2813	—0,01
21	9,1018	0,9108	1,2690 n	9,2808 n	9,3393	—0,02
31	9,1516	0,9115	1,2619 n	0,5629 n	9,3905	—0,02
Apr. 10	9,1995	0,9156	1,2415 n	0,8446 n	9,4362	—0,02
20	9,2476	0,9221	1,2068 n	1,0047 n	9,4776	—0,02
30	9,2968	0,9302	1,1556 n	1,1113 n	9,5154	—0,02
Maj. 10	9,3468	0,9387	1,0835 n	1,1861 n	9,5502	—0,02
20	9,3967	0,9465	0,9824 n	1,2391 n	9,5824	—0,02
30	9,4456	0,9526	0,8541 n	1,2751 n	9,6123	—0,02
Jun. 9	9,4925	0,9563	0,5873 n	1,2969 n	9,6404	—0,02
19	9,5359	0,9572	9,9070 n	1,3061 n	9,6667	—0,02
29	9,5759	0,9551	0,3561	1,3033 n	9,6915	—0,02
Jul. 9	9,6118	0,9499	0,7231	1,2882 n	9,7150	—0,02
19	9,6433	0,9419	0,9115	1,2600 n	9,7373	—0,02
29	9,6707	0,9318	1,0337	1,2168 n	9,7585	—0,02
Aug. 8	9,6940	0,9203	1,1194	1,1551 n	9,7787	—0,02
18	9,7137	0,9085	1,1808	1,0685 n	9,7980	—0,02
28	9,7303	0,8974	1,2239	0,9432 n	9,8164	—0,02
Sept. 7	9,7444	0,8882	1,2519	0,7470 n	9,8342	—0,02
17	9,7569	0,8820	1,2664	0,3458 n	9,8512	—0,02
27	9,7686	0,8794	1,2682	0,0906	9,8676	—0,03
Oct. 7	9,7801	0,8805	1,2572	0,6688	9,8834	—0,03
17	9,7923	0,8851	1,2324	0,9020	9,8986	—0,03
27	9,8057	0,8922	1,1919	1,0443	9,9134	—0,03
Nov. 6	9,8207	0,9008	1,1322	1,1414	9,9276	—0,03
16	9,8371	0,9095	1,0468	1,2099	9,9414	—0,03
26	9,8549	0,9170	0,9222	1,2574	9,9547	—0,03
Dec. 6	9,8735	0,9221	0,7256	1,2880	9,9677	—0,03
16	9,8924	0,9241	0,3216	1,3037	9,9803	—0,03
26	9,9109	0,9224	0,0764 n	1,3056	9,9925	—0,03
36	9,9284	0,9169	0,6480 n	1,2937	0,0044	—0,03

Tabula VIII.

1794.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *s*	*E*
Jan. 0	9,2161 n	0,9194	0,5098 n	1,2998	— ∞	— 0,05
10	9,1198 n	0,9117	0,8071 n	1,2790	8,4362	— 0,05
20	9,0050 n	0,9007	0,9725 n	1,2425	8,7373	— 0,05
30	8,8659 n	0,8875	1,0814 n	1,1877	8,9134	— 0,05
Febr. 9	8,6894 n	0,8733	1,1569 n	1,1095	9,0383	— 0,05
19	8,4403 n	0,8594	1,2093 n	0,9970	9,1352	— 0,05
Mart. 1	7,9510 n	0,8473	1,2438 n	0,8266	9,2144	— 0,05
11	7,8893	0,8383	1,2632 n	0,5185	9,2813	— 0,05
21	8,3707	0,8332	1,2690 n	9,2806 n	9,3393	— 0,05
31	8,5949	0,8325	1,2619 n	0,5629 n	9,3905	— 0,05
Apr. 10	8,7510	0,8357	1,2415 n	0,8446 n	9,4362	— 0,04
20	8,8774	0,8420	1,2068 n	1,0047 n	9,4776	— 0,04
30	8,9872	0,8502	1,1556 n	1,1113 n	9,5154	— 0,04
Maj. 10	9,0856	0,8588	1,0835 n	1,1861 n	9,5502	— 0,04
20	9,1744	0,8667	0,9824 n	1,2391 n	9,5824	— 0,04
30	9,2543	0,8726	0,8341 n	1,2751 n	9,6123	— 0,04
Jun. 9	9,3260	0,8756	0,5873 n	1,2969 n	9,6404	— 0,04
19	9,3896	0,8753	9,9069 n	1,3061 n	9,6667	— 0,04
29	9,4455	0,8712	0,3561	1,3033 n	9,6915	— 0,04
Jul. 9	9,4940	0,8634	0,7231	1,2882 n	9,7150	— 0,04
19	9,5357	0,8523	0,9115	1,2600 n	9,7373	— 0,05
29	9,5712	0,8383	1,0337	1,2168 n	9,7585	— 0,05
Aug. 8	9,6009	0,8224	1,1194	1,1551 n	9,7787	— 0,05
18	9,6258	0,8059	1,1808	1,0683 n	9,7980	— 0,05
28	9,6467	0,7902	1,2239	0,9432 n	9,8164	— 0,04
Sept. 7	9,6643	0,7767	1,2519	0,7469 n	9,8342	— 0,04
17	9,6799	0,7669	1,2664	0,3458 n	9,8512	— 0,04
27	9,6943	0,7617	1,2682	0,0906	9,8676	— 0,04
Oct. 7	9,7085	0,7615	1,2572	0,6688	9,8834	— 0,04
17	9,7234	0,7658	1,2324	0,9020	9,8986	— 0,04
27	9,7396	0,7736	1,1919	1,0443	9,9134	— 0,05
Nov. 6	9,7575	0,7832	1,1322	1,1414	9,9276	— 0,05
16	9,7770	0,7930	1,0468	1,2099	9,9414	— 0,05
26	9,7978	0,8013	0,9228	1,2574	9,9547	— 0,05
Dec. 6	9,8194	0,8065	0,7256	1,2880	9,9677	— 0,05
16	9,8411	0,8076	0,5216	1,3037	9,9803	— 0,04
26	9,8623	0,8039	0,0768 n	1,3056	9,9925	— 0,04
36	9,8823	0,7952	0,6480 n	1,2937	0,0044	— 0,04

Tabula VIII.

1795.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. r	*E*
Jan. 0	9,8983 n	0,7990	0,5098 n	1,2998	— ∞	—0,04
10	9,8860 n	0,7873	0,8070 n	1,2790	8,4362	—0,04
20	9,2682 n	0,7711	0,9725 n	1,2425	8,7373	—0,04
30	9,1958 n	0,7517	1,0814 n	1,1877	8,9134	—0,04
Febr. 9	9,1196 n	0,7304	1,1569 n	1,1093	9,0383	—0,04
19	9,0398 n	0,7092	1,2093 n	0,9970	9,1352	—0,04
Mart. 1	8,9553 n	0,6902	1,2458 n	0,8266	9,2144	—0,04
11	8,8619 n	0,6753	1,2632 n	0,5184	9,2813	—0,04
21	8,7503 n	0,6661	1,2690 n	9,2805 n	9,3393	—0,05
31	8,5981 n	0,6682	1,2619 n	0,5629 n	9,3905	—0,05
Apr. 10	8,3992 n	0,6661	1,2415 n	0,8446 n	9,4362	—0,05
20	7,3006 n	0,6736	1,2068 n	1,0047 n	9,4776	—0,05
30	8,3117	0,6839	1,1556 n	1,1113 n	9,5154	—0,05
Maj. 10	8,6626	0,6949	1,0835 n	1,1861 n	9,5502	—0,05
20	8,8716	0,7047	0,9824 n	1,2391 n	9,5824	—0,05
30	9,0230	0,7116	0,8341 n	1,2751 n	9,6123	—0,05
Jun. 9	9,1413	0,7145	0,5873 n	1,2969 n	9,6404	—0,05
19	9,2373	0,7125	9,9068 n	1,3061 n	9,6667	—0,05
29	9,3165	0,7051	0,3562	1,3033 n	9,6915	—0,05
Jul. 9	9,3821	0,6921	0,7231	1,2882 n	9,7150	—0,05
19	9,4367	0,6738	0,9115	1,2600 n	9,7373	—0,05
29	9,4820	0,6509	1,0337	1,2168 n	9,7585	—0,05
Aug. 8	9,5194	0,6245	1,1194	1,1551 n	9,7787	—0,05
18	9,5503	0,5963	1,1808	1,0683 n	9,7980	—0,05
28	9,5760	0,5685	1,2239	0,9432 n	9,8164	—0,05
Sept. 7	9,5977	0,5439	1,2519	0,7469 n	9,8342	—0,05
17	9,6167	0,5249	1,2664	0,3458 n	9,8512	—0,05
27	9,6342	0,5137	1,2682	0,0906	9,8676	—0,05
Oct. 7	9,6513	0,5112	1,2572	0,6688	9,8834	—0,05
17	9,6691	0,5168	1,2324	0,9020	9,8986	—0,05
27	9,6883	0,5285	1,1919	1,0443	9,9134	—0,06
Nov. 6	9,7090	0,5435	1,1322	1,1414	9,9276	—0,06
16	9,7315	0,5586	1,0468	1,2099	9,9414	—0,06
26	9,7553	0,5710	0,9223	1,2574	9,9547	—0,06
Dec. 6	9,7797	0,5782	0,7256	1,2880	9,9677	—0,06
16	9,8041	0,5784	0,3217	1,3037	9,9808	—0,05
26	9,8277	0,5705	0,0763 n	1,3056	9,9925	—0,05
36	9,8499	0,5539	0,6480 n	1,2937	0,0044	—0,05

Tabula VIII.

1796.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *s*	*E*
Jan. 1	9,4848 n	0,5612	0,5098 n	1,2999	— ∞	— 0,05
11	9,4329 n	0,5390	0,8070 n	1,2790	8,4362	— 0,05
21	9,3779 n	0,5082	0,9725 n	1,2425	8,7373	— 0,05
31	9,3206 n	0,4699	1,0814 n	1,1877	8,9134	— 0,05
Febr. 10	9,2627 n	0,4262	1,1569 n	1,1093	9,0383	— 0,05
20	9,2043 n	0,3801	1,2093 n	0,9970	9,1352	— 0,05
Mart. 1	9,1452 n	0,3361	1,2438 n	0,8266	9,2144	— 0,05
11	9,0838 n	0,2992	1,2632 n	0,5184	9,2813	— 0,05
21	9,0163 n	0,2745	1,2690 n	9,2804 n	9,3393	— 0,05
31	8,9356 n	0,2644	1,2619 n	0,5629 n	9,3905	— 0,06
Apr. 10	8,8290 n	0,2691	1,2415 n	0,8446 n	9,4362	— 0,06
20	8,6688 n	0,2851	1,2068 n	1,0047 n	9,4776	— 0,06
30	8,3647 n	0,3075	1,1556 n	1,1113 n	9,5154	— 0,06
Maj. 10	7,5175	0,3311	1,0835 n	1,1861 n	9,5502	— 0,06
20	8,5148	0,3514	0,9824 n	1,2391 n	9,5824	— 0,06
30	8,8111	0,3651	0,8341 n	1,2751 n	9,6123	— 0,06
Jun. 9	8,9946	0,3697	0,5872 n	1,2969 n	9,6404	— 0,06
19	9,1271	0,3635	9,9067 n	1,3061 n	9,6667	— 0,06
29	9,2292	0,3449	0,3562	1,3033 n	9,6915	— 0,05
Jul. 9	9,3105	0,3126	0,7231	1,2882 n	9,7150	— 0,05
19	9,3759	0,2654	0,9115	1,2600 n	9,7373	— 0,05
29	9,4292	0,2018	1,0337	1,2168 n	9,7585	— 0,05
Aug. 8	9,4727	0,1203	1,1195	1,1551 n	9,7787	— 0,05
18	9,5083	0,0198	1,1808	1,0683 n	9,7980	— 0,05
28	9,5378	9,9003	1,2239	0,9432 n	9,8164	— 0,05
Sept. 7	9,5626	9,7656	1,2519	0,7469 n	9,8342	— 0,05
17	9,5843	9,6295	1,2664	0,3458 n	9,8512	— 0,06
27	9,6043	9,5237	1,2682	0,0906	9,8676	— 0,06
Oct. 7	9,6237	9,4892	1,2572	0,6688	9,8834	— 0,06
17	9,6436	9,5369	1,2324	0,9019	9,8986	— 0,06
27	9,6648	9,6316	1,1919	1,0443	9,9134	— 0,06
Nov. 6	9,6877	9,7831	1,1322	1,1414	9,9276	— 0,06
16	9,7121	9,8190	1,0468	1,2099	9,9414	— 0,06
26	9,7377	9,8798	0,9223	1,2574	9,9547	— 0,06
Dec. 6	9,7639	9,9114	0,7256	1,2880	9,9677	— 0,06
16	9,7899	9,9100	0,3217	1,3057	9,9803	— 0,06
26	9,8150	9,8692	0,0762 n	1,3056	9,9925	— 0,06
36	9,8384	9,7750	0,6480 n	1,2987	0,0044	— 0,05

Tabula VIII.

1797.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 0	9,5108 *n*	9,8182	0,5098 *n*	1,2999	— ∞	—0,05
10	9,4605 *n*	9,6741	0,8070 *n*	1,2790	8,4362	—0,05
20	9,4073 *n*	9,3648	0,9725 *n*	1,2426	8,7373	—0,05
30	9,3522 *n*	8,6419 *n*	1,0814 *n*	1,1877	8,9134	—0,05
Febr. 9	9,2962 *n*	9,5184 *n*	1,1569 *n*	1,1093	9,0383	—0,05
19	9,2398 *n*	9,7792 *n*	1,2093 *n*	0,9970	9,1352	—0,05
Mart. 1	9,1827 *n*	9,9221 *n*	1,2438 *n*	0,8266	9,2144	—0,05
11	9,1234 *n*	0,0064 *n*	1,2632 *n*	0,5184	9,2813	—0,05
21	9,0583 *n*	0,0523 *n*	1,2690 *n*	9,2803 *n*	9,3393	—0,06
31	8,9810 *n*	0,0692 *n*	1,2619 *n*	0,5629 *n*	9,3905	—0,06
Apr. 10	8,8803 *n*	0,0625 *n*	1,2415 *n*	0,8447 *n*	9,4362	—0,06
20	8,7330 *n*	0,0360 *n*	1,2068 *n*	1,0047 *n*	9,4776	—0,06
30	8,4707 *n*	9,9937 *n*	1,1556 *n*	1,1113 *n*	9,5154	—0,06
Maj. 10	7,3127 *n*	9,9411 *n*	1,0835 *n*	1,1861 *n*	9,5502	—0,06
20	8,4532	9,8873 *n*	0,9823 *n*	1,2391 *n*	9,5824	—0,06
30	8,7885	9,8451 *n*	0,8341 *n*	1,2751 *n*	9,6123	—0,06
Jun. 9	8,9846	9,8296 *n*	0,5872 *n*	1,2969 *n*	9,6404	—0,06
19	9,1231	9,8507 *n*	9,9066 *n*	1,3061 *n*	9,6667	—0,06
29	9,2287	9,9062 *n*	0,3562	1,3033 *n*	9,6915	—0,05
Jul. 9	9,3121	9,9839 *n*	0,7231	1,2882 *n*	9,7150	—0,05
19	9,3793	0,0698 *n*	0,9115	1,2600 *n*	9,7373	—0,05
29	9,4339	0,1536 *n*	1,0337	1,2168 *n*	9,7585	—0,05
Aug. 8	9,4784	0,2292 *n*	1,1195	1,1551 *n*	9,7787	—0,05
18	9,5150	0,2936 *n*	1,1808	1,0683 *n*	9,7980	—0,05
28	9,5453	0,3456 *n*	1,2239	0,9432 *n*	9,8164	—0,05
Sept. 7	9,5709	0,3849 *n*	1,2519	0,7469 *n*	9,8342	—0,05
17	9,5934	0,4117 *n*	1,2664	0,3458 *n*	9,8512	—0,05
27	9,6140	0,4266 *n*	1,2682	0,0907	9,8676	—0,05
Oct. 7	9,6340	0,4303 *n*	1,2572	0,6688	9,8834	—0,06
17	9,6545	0,4239 *n*	1,2324	0,9019	9,8986	—0,06
27	9,6761	0,4094 *n*	1,1920	1,0443	9,9134	—0,06
Nov. 6	9,6993	0,3893 *n*	1,1322	1,1414	9,9276	—0,06
16	9,7239	0,3671 *n*	1,0468	1,2099	9,9414	—0,06
26	9,7496	0,3474 *n*	0,9223	1,2574	9,9547	—0,06
Dec. 6	9,7759	0,3353 *n*	0,7256	1,2880	9,9677	—0,06
16	9,8019	0,3349 *n*	0,3218	1,3037	9,9803	—0,05
26	9,8269	0,3483 *n*	0,0762 *n*	1,3056	9,9925	—0,05
36	9,8504	0,3746 *n*	0,6479 *n*	1,2937	0,0044	—0,05

Tabula VIII.

1798.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 0	9,4847 n	0,3634 n	0,5097 n	1,2999	— ∞	— 0,05
10	9,4295 n	0,3961 n	0,8070 n	1,2790	8,4362	— 0,05
20	9,3703 n	0,4353 n	0,9725 n	1,2426	8,7375	— 0,05
30	9,3078 n	0,4763 n	1,0814 n	1,1877	8,9134	— 0,05
Febr. 9	9,2428 n	0,5152 n	1,1569 n	1,1093	9,0383	— 0,05
19	9,1756 n	0,5490 n	1,2093 n	0,9970	9,1352	— 0,05
Mart. 1	9,1053 n	0,5761 n	1,2438 n	0,8266	9,2144	— 0,05
11	9,0294 n	0,5955 n	1,2632 n	0,5184	9,2813	— 0,05
21	8,9421 n	0,6071 n	1,2690 n	9,2802 n	9,3393	— 0,05
31	8,8318 n	0,6111 n	1,2619 n	0,5629 n	9,3905	— 0,05
Apr. 10	8,6731 n	0,6084 n	1,2415 n	0,8447 n	9,4362	— 0,05
20	8,3853 n	0,6002 n	1,2068 n	1,0047 n	9,4776	— 0,05
30	7,0816	0,5881 n	1,1556 n	1,1113 n	9,5154	— 0,05
Maj. 10	8,4724	0,5744 n	1,0835 n	1,1862 n	9,5502	— 0,05
20	8,7860	0,5615 n	0,9823 n	1,2391 n	9,5824	— 0,05
30	8,9783	0,5519 n	0,8340 n	1,2751 n	9,6123	— 0,05
Jun. 9	9,1177	0,5478 n	0,5872 n	1,2969 n	9,6404	— 0,05
19	9,2263	0,5508 n	9,9065 n	1,3061 n	9,6667	— 0,05
29	9,3136	0,5613 n	0,3563	1,3033 n	9,6915	— 0,05
Jul. 9	9,3850	0,5787 n	0,7231	1,2882 n	9,7150	— 0,05
19	9,4440	0,6011 n	0,9115	1,2600 n	9,7373	— 0,05
29	9,4927	0,6265 n	1,0337	1,2168 n	9,7585	— 0,04
Aug. 8	9,5330	0,6524 n	1,1195	1,1551 n	9,7787	— 0,04
18	9,5665	0,6769 n	1,1808	1,0683 n	9,7980	— 0,04
28	9,5946	0,6985 n	1,2239	0,9432 n	9,8164	— 0,04
Sept. 7	9,6185	0,7153 n	1,2519	0,7469 n	9,8342	— 0,05
17	9,6396	0,7271 n	1,2664	0,3458 n	9,8512	— 0,05
27	9,6591	0,7334 n	1,2682	0,0907	9,8676	— 0,05
Oct. 7	9,6780	0,7343 n	1,2572	0,6688	9,8834	— 0,05
17	9,6973	0,7302 n	1,2324	0,9019	9,8986	— 0,05
27	9,7177	0,7221 n	1,1920	1,0443	9,9134	— 0,05
Nov. 6	9,7395	0,7114 n	1,1322	1,1414	9,9276	— 0,05
16	9,7627	0,6999 n	1,0468	1,2099	9,9414	— 0,05
26	9,7869	0,6898 n	0,9223	1,2574	9,9547	— 0,05
Dec. 6	9,8117	0,6831 n	0,7256	1,2880	9,9677	— 0,05
16	9,8363	0,6817 n	0,3218	1,3037	9,9803	— 0,05
26	9,8600	0,6867 n	0,0762 n	1,3056	9,9925	— 0,04
36	9,8822	0,6978 n	0,6479 n	1,2937	0,0044	— 0,04

Tabula VIII.

1799.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,4009 n	0,6929 n	0,5097 n	1,2999	— ∞	— 0,04
10	9,3113 n	0,7074 n	0,8070 n	1,2790	8,4362	— 0,04
20	9,2535 n	0,7258 n	0,9725 n	1,2426	8,7373	— 0,04
30	9,1671 n	0,7462 n	1,0814 n	1,1877	8,9134	— 0,04
Febr. 9	9,0713 n	0,7664 n	1,1569 n	1,1093	9,0383	— 0,04
19	8,9634 n	0,7847 n	1,2093 n	0,9970	9,1352	— 0,04
Mart. 1	8,8370 n	0,7997 n	1,2438 n	0,8266	9,2144	— 0,04
11	8,6760 n	0,8104 n	1,2632 n	0,5184	9,2813	— 0,04
21	8,4331 n	0,8165 n	1,2690 n	9,2800 n	9,3393	— 0,04
31	7,8228 n	0,8179 n	1,2619 n	0,5629 n	9,3905	— 0,04
Apr. 10	8,1751	0,8152 n	1,2415 n	0,8447 n	9,4362	— 0,04
20	8,5866	0,8091 n	1,2068 n	1,0047 n	9,4776	— 0,04
30	8,8123	0,8006 n	1,1556 n	1,1113 n	9,5154	— 0,04
Maj. 10	8,9740	0,7911 n	1,0835 n	1,1862 n	9,5502	— 0,04
20	9,1017	0,7821 n	0,9823 n	1,2391 n	9,5824	— 0,04
30	9,2074	0,7752 n	0,8340 n	1,2751 n	9,6123	— 0,04
Jun. 9	9,2967	0,7715 n	0,5872 n	1,2969 n	9,6404	— 0,04
19	9,3730	0,7721 n	9,9064 n	1,3061 n	9,6667	— 0,04
29	9,4382	0,7772 n	0,3563	1,3033 n	9,6915	— 0,04
Jul. 9	9,4940	0,7866 n	0,7232	1,2882 n	9,7150	— 0,04
19	9,5415	0,7995 n	0,9115	1,2600 n	9,7373	— 0,03
29	9,5817	0,8145 n	1,0338	1,2168 n	9,7585	— 0,03
Aug. 8	9,6157	0,8304 n	1,1195	1,1551 n	9,7787	— 0,03
18	9,6443	0,8457 n	1,1809	1,0683 n	9,7980	— 0,03
28	9,6685	0,8592 n	1,2239	0,9432 n	9,8164	— 0,03
Sept. 7	9,6895	0,8699 n	1,2519	0,7469 n	9,8342	— 0,03
17	9,7081	0,8772 n	1,2664	0,3458 n	9,8512	— 0,03
27	9,7253	0,8806 n	1,2682	0,0907	9,8676	— 0,03
Oct. 7	9,7422	0,8802 n	1,2572	0,6688	9,8834	— 0,04
17	9,7594	0,8762 n	1,2324	0,9019	9,8986	— 0,04
27	9,7777	0,8698 n	1,1920	1,0443	9,9134	— 0,04
Nov. 6	9,7972	0,8605 n	1,1322	1,1414	9,9276	— 0,04
16	9,8180	0,8512 n	1,0468	1,2099	9,9414	— 0,04
26	9,8399	0,8429 n	0,9228	1,2574	9,9547	— 0,03
Dec. 6	9,8622	0,8369 n	0,7256	1,2880	9,9677	— 0,03
16	9,8845	0,8347 n	0,3218	1,3037	9,9803	— 0,03
26	9,9062	0,8369 n	0,0760 n	1,3056	9,9925	— 0,03
36	9,9266	0,8435 n	0,6479 n	1,2937	0,0044	— 0,03

Tabula VIII.

1800.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,2303 n	0,8405 n	0,5097 n	1,2999	— ∞	— 0,03
10	9,1206 n	0,8496 n	0,8070 n	1,2790	8,4862	— 0,03
20	8,9852 n	0,8618 n	0,9725 n	1,2426	8,7378	— 0,03
30	8,8011 n	0,8756 n	1,0814 n	1,1877	8,9134	— 0,03
Febr. 9	8,5254 n	0,8896 n	1,1569 n	1,1093	9,0383	— 0,02
19	7,8437 n	0,9022 n	1,2093 n	0,9970	9,1852	— 0,02
Mart. 1	8,2269	0,9126 n	1,2438 n	0,8266	9,2144	— 0,02
11	8,5882	0,9197 n	1,2632 n	0,5184	9,2815	— 0,03
21	8,7757	0,9234 n	1,2690 n	9,2799 n	9,3393	— 0,03
31	8,9069	0,9234 n	1,2619 n	0,5629 n	9,3905	— 0,03
Apr. 10	9,0124	0,9202 n	1,2415 n	0,8447 n	9,4362	— 0,03
20	9,1042	0,9142 n	1,2068 n	1,0047 n	9,4776	— 0,03
30	9,1875	0,9064 n	1,1556 n	1,1113 n	9,5154	— 0,03
Maj. 10	9,2644	0,8978 n	1,0835 n	1,1862 n	9,5502	— 0,03
20	9,3357	0,8895 n	0,9823 n	1,2391 n	9,5824	— 0,03
30	9,4014	0,8828 n	0,8340 n	1,2751 n	9,6123	— 0,03
Jun. 9	9,4614	0,8786 n	0,5872 n	1,2969 n	9,6404	— 0,03
19	9,5157	0,8778 n	9,9063 n	1,3061 n	9,6667	— 0,02
29	9,5643	0,8805 n	0,3563	1,3033 n	9,6915	— 0,02
Jul. 9	9,6072	0,8867 n	0,7292	1,2882 n	9,7150	— 0,02
19	9,6447	0,8956 n	0,9116	1,2600 n	9,7373	— 0,02
29	9,6772	0,9065 n	1,0338	1,2168 n	9,7585	— 0,02
Aug. 8	9,7051	0,9182 n	1,1195	1,1551 n	9,7787	— 0,02
18	9,7289	0,9295 n	1,1809	1,0685 n	9,7980	— 0,02
28	9,7494	0,9395 n	1,2239	0,9432 n	9,8164	— 0,02
Sept. 7	9,7672	0,9478 n	1,2519	0,7469 n	9,8342	— 0,02
17	9,7831	0,9522 n	1,2664	0,3457 n	9,8512	— 0,02
27	9,7980	0,9540 n	1,2682	0,0907	9,8676	— 0,02
Oct. 7	9,8126	0,9524 n	1,2572	0,6688	9,8834	— 0,02
17	9,8276	0,9479 n	1,2324	0,9019	9,8986	— 0,02
27	9,8435	0,9409 n	1,1920	1,0442	9,9134	— 0,02
Nov. 6	9,8606	0,9322 n	1,1322	1,1414	9,9276	— 0,02
16	9,8789	0,9231 n	1,0468	1,2099	9,9414	— 0,02
26	9,8981	0,9147 n	0,9223	1,2574	9,9547	— 0,02
Dec. 6	9,9180	0,9084 n	0,7257	1,2880	9,9677	— 0,02
16	9,9379	0,9052 n	0,3219	1,3057	9,9803	— 0,02
26	9,9578	0,9057 n	0,0759 n	1,3056	9,9925	— 0,01
36	9,9756	0,9101 n	0,6479 n	1,2937.	0,0044	— 0,01

Tabula VIII.

1801.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	8,8404 n	0,9080 n	0,5097 n	1,2999	— ∞	— 0,01
10	8,4894 n	0,9145 n	0,8070 n	1,2790	8,4362	— 0,01
20	7,7251	0,9237 n	0,9725 n	1,2426	8,7373	— 0,01
30	8,5867	0,9344 n	1,0814 n	1,1878	8,9134	— 0,01
Febr. 9	8,8369	0,9355 n	1,1569 n	1,1093	9,0383	— 0,01
19	8,9804	0,9554 n	1,2093 n	0,9970	9,1352	— 0,01
Mart. 1	8,0782	0,9633 n	1,2438 n	0,8266	9,2144	— 0,01
11	9,1522	0,9686 n	1,2632 n	0,5184	9,2813	— 0,01
21	9,2127	0,9706 n	1,2690 n	9,2798 n	9,3393	— 0,01
31	9,2661	0,9695 n	1,2619 n	0,5629 n	9,3905	— 0,01
Apr. 10	9,3162	0,9654 n	1,2415 n	0,8447 n	9,4362	— 0,01
20	9,3646	0,9586 n	1,2068 n	1,0047 n	9,4776	— 0,01
30	9,4128	0,9505 n	1,1556 n	1,1113 n	9,5154	— 0,01
Maj. 10	9,4606	0,9414 n	1,0835 n	1,1862 n	9,5502	— 0,01
20	9,5077	0,9326 n	0,9823 n	1,2391 n	9,5824	— 0,01
30	9,5533	0,9252 n	0,8340 n	1,2751 n	9,6123	— 0,01
Jun. 9	9,5967	0,9202 n	0,5872 n	1,2969 n	9,6404	— 0,01
19	9,6374	0,9180 n	9,9063 n	1,3061 n	9,6667	— 0,01
29	9,6748	0,9191 n	0,3564	1,3033 n	9,6915	0,00
Jul. 9	9,7086	0,9234 n	0,7232	1,2882 n	9,7150	0,00
19	9,7388	0,9303 n	0,9116	1,2600 n	9,7373	0,00
29	9,7653	0,9391 n	1,0338	1,2168 n	9,7585	0,00
Aug. 8	9,7883	0,9487 n	1,1195	1,1551 n	9,7787	0,00
18	9,8082	0,9580 n	1,1809	1,0683 n	9,7980	0,00
28	9,8254	0,9661 n	1,2239	0,9432 n	9,8164	0,00
Sept. 7	9,8405	0,9722 n	1,2519	0,7469 n	9,8342	0,00
17	9,8541	0,9757 n	1,2664	0,3457 n	9,8512	0,00
27	9,8669	0,9761 n	1,2682	0,0907	9,8676	0,00
Oct. 7	9,8794	0,9734 n	1,2572	0,6688	9,8834	0,00
17	9,8924	0,9679 n	1,2324	0,9019	9,8986	0,00
27	9,9062	0,9599 n	1,1920	1,0442	9,9134	0,00
Nov. 6	9,9211	0,9503 n	1,1323	1,1414	9,9276	0,00
16	9,9371	0,9402 n	1,0468	1,2099	9,9414	0,00
26	9,9541	0,9310 n	0,9223	1,2574	9,9547	0,00
Dec. 6	9,9716	0,9234 n	0,7257	1,2880	9,9677	0,00
16	9,9893	0,9189 n	0,3219	1,3037	9,9803	0,00
26	0,0066	0,9180 n	0,0759 n	1,3056	9,9925	+ 0,01
36	0,0230	0,9209 n	0,6479 n	1,2957	0,0044	+ 0,01

Tabula VIII.

1802.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *τ*	*E*
Jan. 0	8,6003	0,9194 n	0,5096 n	1,2999	— ∞	+ 0,01
10	8,8933	0,9243 n	0,8070 n	1,2790	8,4362	+ 0,01
20	9,0586	0,9320 n	0,9724 n	1,2426	8,7373	+ 0,01
30	9,1697	0,9412 n	1,0813 n	1,1878	8,9134	+ 0,01
Febr. 9	9,2502	0,9507 n	1,1569 n	1,1094	9,0383	+ 0,01
19	9,3114	0,9593 n	1,2093 n	0,9970	9,1352	+ 0,01
Mart. 1	9,3599	0,9659 n	1,2438 n	0,8266	9,2144	+ 0,01
11	9,4001	0,9699 n	1,2632 n	0,5184	9,2813	+ 0,01
21	9,4353	0,9707 n	1,2690 n	9,2797 n	9,3393	+ 0,01
31	9,4681	0,9685 n	1,2619 n	0,5629 n	9,3905	+ 0,01
Apr. 10	9,5001	0,9629 n	1,2415 n	0,8447 n	9,4362	+ 0,01
20	9,5325	0,9550 n	1,2068 n	1,0047 n	9,4776	+ 0,01
30	9,5658	0,9453 n	1,1556 n	1,1113 n	9,5154	+ 0,01
Maj. 10	9,5999	0,9348 n	1,0835 n	1,1862 n	9,5502	+ 0,01
20	9,6345	0,9245 n	0,9823 n	1,2391 n	9,5824	+ 0,01
30	9,6689	0,9155 n	0,8340 n	1,2751 n	9,6123	+ 0,01
Jun. 9	9,7025	0,9089 n	0,5871 n	1,2969 n	9,6404	+ 0,01
19	9,7347	0,9053 n	9,9062 n	1,3061 n	9,6667	+ 0,01
29	9,7648	0,9050 n	0,3564	1,3033 n	9,6915	+ 0,01
Jul. 9	9,7924	0,9080 n	0,7232	1,2882 n	9,7150	+ 0,02
19	9,8174	0,9138 n	0,9116	1,2600 n	9,7373	+ 0,02
29	9,8395	0,9215 n	1,0338	1,2168 n	9,7585	+ 0,02
Aug. 8	9,8589	0,9301 n	1,1195	1,1551 n	9,7787	+ 0,02
18	9,8758	0,9385 n	1,1809	1,0683 n	9,7980	+ 0,02
28	9,8905	0,9457 n	1,2239	0,9482 n	9,8164	+ 0,02
Sept. 7	9,9035	0,9508 n	1,2519	0,7469 n	9,8342	+ 0,02
17	9,9152	0,9531 n	1,2664	0,3457 n	9,8512	+ 0,02
27	9,9262	0,9523 n	1,2682	0,0907	9,8676	+ 0,02
Oct. 7	9,9371	0,9482 n	1,2572	0,6688	9,8834	+ 0,02
17	9,9484	0,9410 n	1,2324	0,9019	9,8986	+ 0,02
27	9,9605	0,9312 n	1,1920	1,0442	9,9134	+ 0,02
Nov. 6	9,9736	0,9196 n	1,1323	1,1414	9,9276	+ 0,02
16	9,9877	0,9073 n	1,0468	1,2098	9,9414	+ 0,02
26	0,0027	0,8958 n	0,9223	1,2574	9,9547	+ 0,02
Dec. 6	0,0183	0,8862 n	0,7257	1,2880	9,9677	+ 0,02
16	0,0341	0,8798 n	0,8219	1,3037	9,9803	+ 0,02
26	0,0497	0,8774 n	0,0758 n	1,3056	9,9925	+ 0,02
36	0,0645	0,8790 n	0,6478 n	1,2937	0,0044	+ 0,02

Tabula VIII.

1803.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. r	*E*
Jan. 0	9,1633	0,8779 n	0,5096 n	1,2999	— ∞	+ 0,02
10	9,2642	0,8819 n	0,8070 n	1,2790	8,4362	+ 0,03
20	9,3419	0,8889 n	0,9724 n	1,2426	8,7573	+ 0,03
30	9,4028	0,8976 n	1,0815 n	1,1878	8,9134	+ 0,03
Febr. 9	9,4513	0,9067 n	1,1569 n	1,1094	9,0383	+ 0,03
19	9,4904	0,9149 n	1,2093 n	0,9970	9,1352	+ 0,03
Mart. 1	9,5228	0,9209 n	1,2438 n	0,8267	9,2144	+ 0,03
11	9,5504	0,9239 n	1,2632 n	0,5184	9,2813	+ 0,03
21	9,5752	0,9235 n	1,2690 n	9,2796 n	9,3393	+ 0,03
31	9,5989	0,9195 n	1,2619 n	0,5629 n	9,8905	+ 0,02
Apr. 10	9,6225	0,9121 n	1,2415 n	0,8447 n	9,4362	+ 0,02
20	9,6468	0,9019 n	1,2068 n	1,0047 n	9,4776	+ 0,02
30	9,6723	0,8895 n	1,1556 n	1,1113 n	9,5154	+ 0,02
Maj. 10	9,6989	0,8761 n	1,0885 n	1,1862 n	9,5502	+ 0,02
20	9,7264	0,8628 n	0,9823 n	1,2391 n	9,5824	+ 0,02
30	9,7542	0,8510 n	0,8340 n	1,2751 n	9,6123	+ 0,03
Jun. 9	9,7817	0,8417 n	0,5871 n	1,2969 n	9,6404	+ 0,03
19	9,8084	0,8359 n	9,9061 n	1,3061 n	9,6667	+ 0,03
29	9,8337	0,8340 n	0,3564	1,3033 n	9,6915	+ 0,03
Jul. 9	9,8571	0,8360 n	0,7232	1,2882 n	9,7150	+ 0,03
19	9,8785	0,8413 n	0,9116	1,2600 n	9,7373	+ 0,03
29	9,8976	0,8488 n	1,0338	1,2168 n	9,7585	+ 0,04
Aug. 8	9,9144	0,8575 n	1,1195	1,1551 n	9,7787	+ 0,04
18	9,9289	0,8660 n	1,1809	1,0682 n	9,7980	+ 0,04
28	9,9419	0,8731 n	1,2239	0,9432 n	9,8164	+ 0,04
Sept. 7	9,9532	0,8778 n	1,2519	0,7469 n	9,8342	+ 0,04
17	9,9634	0,8792 n	1,2664	0,3457 n	9,8512	+ 0,05
27	9,9731	0,8769 n	1,2682	0,0907	9,8676	+ 0,05
Oct. 7	9,9827	0,8706 n	1,2572	0,6688	9,8834	+ 0,05
17	9,9927	0,8605 n	1,2324	0,9019	9,8986	+ 0,05
27	0,0034	0,8473 n	1,1920	1,0442	9,9134	+ 0,05
Nov. 6	0,0150	0,8317 n	1,1323	1,1414	9,9276	+ 0,05
16	0,0277	0,8151 n	1,0468	1,2098	9,9414	+ 0,05
26	0,0412	0,7912 n	0,9223	1,2574	9,9547	+ 0,05
Dec. 6	0,0553	0,7855 n	0,7257	1,2880	9,9677	+ 0,05
16	0,0697	0,7758 n	0,3220	1,3057	9,9803	+ 0,04
26	0,0838	0,7710 n	0,0757 n	1,3056	9,9925	+ 0,04
36	0,0974	0,7715 n	0,6478 n	1,2957	0,0044	+ 0,04

Tabula VIII.

1804.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
						″
Jan. 1	9,3747	0,7707 n	0,5096 n	1,2999	— ∞	+ 0,04
11	9,4387	0,7741 n	0,8069 n	1,2790	8,4362	+ 0,04
21	9,4914	0,7815 n	0,9724 n	1,2426	8,7373	+ 0,04
31	9,5347	0,7911 n	1,0813 n	1,1878	8,9134	+ 0,04
Febr. 10	9,5703	0,8012 n	1,1569 n	1,1094	9,0383	+ 0,04
20	9,5998	0,8101 n	1,2093 n	0,9970	9,1352	+ 0,04
Mart. 1	9,6245	0,8163 n	1,2438 n	0,8267	9,2144	+ 0,04
11	9,6460	0,8187 n	1,2632 n	0,5185	9,2813	+ 0,04
21	9,6655	0,8168 n	1,2690 n	9,2794 n	9,3393	+ 0,04
31	9,6842	0,8102 n	1,2619 n	0,5629 n	9,3905	+ 0,04
Apr. 10	9,7032	0,7992 n	1,2415 n	0,8447 n	9,4362	+ 0,04
20	9,7230	0,7844 n	1,2068 n	1,0047 n	9,4776	+ 0,04
30	9,7440	0,7665 n	1,1556 n	1,1113 n	9,5154	+ 0,04
Maj. 10	9,7662	0,7470 n	1,0835 n	1,1862 n	9,5502	+ 0,04
20	9,7894	0,7274 n	0,9823 n	1,2391 n	9,5824	+ 0,04
30	9,8131	0,7094 n	0,8340 n	1,2751 n	9,6123	+ 0,04
Jun. 9	9,8368	0,6947 n	0,5871 n	1,2969 n	9,6404	+ 0,04
19	9,8600	0,6847 n	9,9060 n	1,3061 n	9,6667	+ 0,04
29	9,8821	0,6802 n	0,3565	1,3033 n	9,6915	+ 0,04
Jul. 9	9,9028	0,6812 n	0,7232	1,2882 n	9,7150	+ 0,05
19	9,9217	0,6870 n	0,9116	1,2600 n	9,7373	+ 0,05
29	9,9387	0,6961 n	1,0338	1,2168 n	9,7585	+ 0,05
Aug. 8	9,9537	0,7067 n	1,1195	1,1551 n	9,7787	+ 0,05
18	9,9668	0,7171 n	1,1809	1,0682 n	9,7980	+ 0,05
28	9,9782	0,7255 n	1,2239	0,9432 n	9,8164	+ 0,05
Sept. 7	9,9883	0,7305 n	1,2519	0,7469 n	9,8342	+ 0,05
17	9,9975	0,7310 n	1,2664	0,3457 n	9,8512	+ 0,05
27	0,0061	0,7262 n	1,2682	0,0907	9,8676	+ 0,05
Oct. 7	0,0147	0,7157 n	1,2572	0,6688	9,8834	+ 0,04
17	0,0237	0,6997 n	1,2324	0,9019	9,8986	+ 0,04
27	0,0333	0,6781 n	1,1920	1,0442	9,9134	+ 0,04
Nov. 6	0,0440	0,6538 n	1,1323	1,1414	9,9276	+ 0,04
16	0,0555	0,6268 n	1,0468	1,2098	9,9414	+ 0,04
26	0,0679	0,6001 n	0,9223	1,2574	9,9547	+ 0,04
Dec. 6	0,0809	0,5763 n	0,7257	1,2880	9,9677	+ 0,05
16	0,0942	0,5584 n	0,3220	1,3037	9,9803	+ 0,05
26	0,1073	0,5484 n	0,0757 n	1,3056	9,9925	+ 0,05
36	0,1199	0,5471 n	0,6478 n	1,2937	0,0044	+ 0,05

Tabula VIII.

1805.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,4828	0,5466 n	0,5096 n	1,2999	— ∞	+ 0,05
10	9,5325	0,5508 n	0,8069 n	1,2790	8,4362	+ 0,05
20	9,5745	0,5605 n	0,9724 n	1,2426	8,7373	+ 0,05
30	9,6097	0,5745 n	1,0813 n	1,1878	8,9134	+ 0,05
Febr. 9	9,6391	0,5892 n	1,1569 n	1,1094	9,0383	+ 0,05
19	9,6635	0,6019 n	1,2093 n	0,9970	9,1352	+ 0,05
Mart. 1	9,6843	0,6101 n	1,2438 n	0,8267	9,2144	+ 0,05
11	9,7023	0,6124 n	1,2632 n	0,5185	9,2813	+ 0,05
21	9,7188	0,6077 n	1,2690 n	9,2793 n	9,3393	+ 0,05
31	9,7348	0,5954 n	1,2619 n	0,5629 n	9,3905	+ 0,05
Apr. 10	9,7511	0,5755 n	1,2415 n	0,8447 n	9,4362	+ 0,05
20	9,7682	0,5485 n	1,2068 n	1,0047 n	9,4776	+ 0,05
30	9,7865	0,5154 n	1,1556 n	1,1113 n	9,5154	+ 0,05
Maj. 10	9,8061	0,4779 n	1,0835 n	1,1862 n	9,5502	+ 0,05
20	9,8268	0,4385 n	0,9823 n	1,2391 n	9,5824	+ 0,05
30	9,8481	0,4004 n	0,8540 n	1,2751 n	9,6123	+ 0,05
Jun. 9	9,8695	0,3674 n	0,5871 n	1,2969 n	9,6404	+ 0,05
19	9,8905	0,3432 n	9,9059 n	1,3061 n	9,6667	+ 0,05
29	9,9108	0,3307 n	0,3565	1,3033 n	9,6915	+ 0,05
Jul. 9	9,9297	0,3303 n	0,7232	1,2882 n	9,7150	+ 0,05
19	9,9470	0,3405 n	0,9116	1,2600 n	9,7373	+ 0,06
29	9,9626	0,3581 n	1,0338	1,2168 n	9,7585	+ 0,06
Aug. 8	9,9764	0,3787 n	1,1195	1,1551 n	9,7787	+ 0,06
18	9,9885	0,3984 n	1,1809	1,0682 n	9,7980	+ 0,06
28	9,9990	0,4137 n	1,2239	0,9432 n	9,8164	+ 0,06
Sept. 7	0,0082	0,4220 n	1,2519	0,7469 n	9,8342	+ 0,06
17	0,0166	0,4211 n	1,2664	0,3457 n	9,8512	+ 0,05
27	0,0245	0,4093 n	1,2682	0,0908	9,8676	+ 0,05
Oct. 7	0,0323	0,3854 n	1,2572	0,6688	9,8834	+ 0,05
17	0,0406	0,3483 n	1,2324	0,9019	9,8986	+ 0,05
27	0,0495	0,2973 n	1,1920	1,0442	9,9134	+ 0,05
Nov. 6	0,0594	0,2321 n	1,1323	1,1414	9,9276	+ 0,05
16	0,0702	0,1537 n	1,0468	1,2098	9,9414	+ 0,05
26	0,0819	0,0651 n	0,9223	1,2574	9,9547	+ 0,05
Dec. 6	0,0942	9,9783 n	0,7257	1,2880	9,9677	+ 0,05
16	0,1067	9,8914 n	0,3221	1,3037	9,9803	+ 0,05
26	0,1191	9,8371 n	0,0756 n	1,3056	9,9925	+ 0,06
36	0,1311	9,8241 n	0,6478 n	1,2937	0,0044	+ 0,06

Tabula VIII.

1806.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 0	9,5298	9,8239 n	0,5095 n	1,2999	— ∞	+ 0,06
10	9,5795	9,8373 n	0,8069 n	1,2790	8,4362	+ 0,06
20	9,6108	9,8829 n	0,9724 n	1,2426	8,7373	+ 0,06
30	9,6424	9,9417 n	1,0813 n	1,1878	8,9134	+ 0,06
Febr. 9	9,6688	9,9981 n	1,1569 n	1,1094	9,0383	+ 0,06
19	9,6908	0,0424 n	1,2093 n	0,9970	9,1352	+ 0,06
Mart. 1	9,7095	0,0689 n	1,2438 n	0,8267	9,2144	+ 0,06
11	9,7257	0,0741 n	1,2632 n	0,5185	9,2813	+ 0,06
21	9,7406	0,0547 n	1,2690 n	9,2792 n	9,3393	+ 0,05
31	9,7550	0,0061 n	1,2619 n	0,5629 n	9,3905	+ 0,05
Apr. 10	9,7698	9,9197 n	1,2415 n	0,8447 n	9,4362	+ 0,05
20	9,7856	9,7766 n	1,2068 n	1,0047 n	9,4776	+ 0,05
30	9,8025	9,5215 n	1,1556 n	1,1113 n	9,5154	+ 0,05
Maj. 10	9,8208	8,7416 n	1,0835 n	1,1862 n	9,5502	+ 0,05
20	9,8401	9,3252	0,9823 n	1,2391 n	9,5824	+ 0,05
30	9,8602	9,6508	0,8340 n	1,2751 n	9,6123	+ 0,05
Jun. 9	9,8805	9,8038	0,5871 n	1,2969 n	9,6404	+ 0,05
19	9,9005	9,8850	9,9058 n	1,3061 n	9,6667	+ 0,05
29	9,9197	9,9217	0,3565	1,3038 n	9,6915	+ 0,06
Jul. 9	9,9377	9,9250	0,7233	1,2882 n	9,7150	+ 0,06
19	9,9543	9,9001	0,9116	1,2600 n	9,7373	+ 0,06
29	9,9692	9,8503	1,0338	1,2168 n	9,7585	+ 0,06
Aug. 8	9,9823	9,7790	1,1195	1,1551 n	9,7787	+ 0,06
18	9,9937	9,6934	1,1809	1,0682 n	9,7980	+ 0,06
28	0,0037	9,6095	1,2239	0,9432 n	9,8164	+ 0,06
Sept. 7	0,0124	9,5563	1,2519	0,7469 n	9,8342	+ 0,06
17	0,0202	9,5662	1,2664	0,3457 n	9,8512	+ 0,05
27	0,0276	9,6447	1,2682	0,0908	9,8676	+ 0,05
Oct. 7	0,0350	9,7641	1,2572	0,6688	9,8834	+ 0,05
17	0,0428	9,8931	1,2324	0,9019	9,8986	+ 0,05
27	0,0513	0,0131	1,1920	1,0442	9,9134	+ 0,05
Nov. 6	0,0606	0,1167	1,1323	1,1414	9,9276	+ 0,05
16	0,0712	0,2018	1,0468	1,2098	9,9414	+ 0,05
26	0,0825	0,2684	0,9223	1,2574	9,9547	+ 0,05
Dec. 6	0,0943	0,3175	0,7257	1,2880	9,9677	+ 0,05
16	0,1065	0,3501	0,3221	1,3037	9,9808	+ 0,05
26	0,1186	0,3676	0,0755 n	1,3056	9,9925	+ 0,05
36	0,1303	0,3713	0,6478 n	1,2937	0,0044	+ 0,05

Tabula VIII.

1807.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *τ*	*E*
Jan. 0	9,5270	0,3714	0,5095 n	1,2999	— ∞	+ 0,05
10	9,5697	0,3674	0,8069 n	1,2790	8,4362	+ 0,06
20	9,6063	0,3529	0,9724 n	1,2426	8,7373	+ 0,06
30	9,6372	0,3309	1,0813 n	1,1878	8,9134	+ 0,06
Febr. 9	9,6629	0,3054	1,1569 n	1,1094	9,0383	+ 0,06
19	9,6843	0,2816	1,2093 n	0,9970	9,1352	+ 0,06
Mart. 1	9,7023	0,2651	1,2438 n	0,8267	9,2144	+ 0,06
11	9,7180	0,2613	1,2632 n	0,5185	9,2813	+ 0,05
21	9,7323	0,2729	1,2690 n	9,2791 n	9,3393	+ 0,05
31	9,7462	0,2994	1,2619 n	0,5629 n	9,3905	+ 0,05
Apr. 10	9,7605	0,3370	1,2415 n	0,8447 n	9,4362	+ 0,05
20	9,7758	0,3808	1,2068 n	1,0047 n	9,4776	+ 0,05
30	9,7924	0,4259	1,1556 n	1,1113 n	9,5154	+ 0,05
Maj. 10	9,8104	0,4683	1,0835 n	1,1862 n	9,5502	+ 0,05
20	9,8295	0,5055	0,9823 n	1,2391 n	9,5824	+ 0,05
30	9,8495	0,5359	0,8340 n	1,2751 n	9,6123	+ 0,05
Jun. 9	9,8696	0,5587	0,5870 n	1,2969 n	9,6404	+ 0,05
19	9,8895	0,5736	9,9057 n	1,3061 n	9,6667	+ 0,05
29	9,9087	0,5808	0,3566	1,3033 n	9,6915	+ 0,05
Jul. 9	9,9267	0,5810	0,7233	1,2882 n	9,7150	+ 0,05
19	9,9431	0,5750	0,9116	1,2600 n	9,7373	+ 0,05
29	9,9579	0,5643	1,0338	1,2168 n	9,7585	+ 0,05
Aug. 8	9,9709	0,5507	1,1195	1,1550 n	9,7787	+ 0,05
18	9,9822	0,5366	1,1809	1,0682 n	9,7980	+ 0,05
28	9,9918	0,5247	1,2239	0,9431 n	9,8164	+ 0,05
Sept. 7	0,0004	0,5178	1,2519	0,7468 n	9,8342	+ 0,05
17	0,0080	0,5180	1,2664	0,3456 n	9,8512	+ 0,05
27	0,0152	0,5266	1,2682	0,0908	9,8676	+ 0,05
Oct. 7	0,0224	0,5433	1,2572	0,6688	9,8834	+ 0,05
17	0,0300	0,5667	1,2324	0,9019	9,8986	+ 0,05
27	0,0384	0,5943	1,1920	1,0442	9,9134	+ 0,04
Nov. 6	0,0477	0,6231	1,1323	1,1414	9,9276	+ 0,04
16	0,0581	0,6506	1,0468	1,2098	9,9414	+ 0,04
26	0,0693	0,6748	0,9223	1,2574	9,9547	+ 0,04
Dec. 6	0,0812	0,6939	0,7257	1,2880	9,9677	+ 0,04
16	0,0934	0,7071	0,3221	1,3037	9,9803	+ 0,05
26	0,1055	0,7141	0,0755 n	1,3056	9,9925	+ 0,05
36	0,1172	0,7150	0,6478 n	1,2937	0,0044	+ 0,05

Tabula VIII.

1808.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 1	9,4726	0,7158	0,5095 n	1,2999	— ∞	+ 0,05
11	9,5194	0,7127	0,8069 n	1,2790	8,4862	+ 0,05
21	9,5591	0,7054	0,9724 n	1,2426	8,7875	+ 0,05
31	9,5922	0,6949	1,0815 n	1,1878	8,9134	+ 0,05
Febr. 10	9,6196	0,6831	1,1569 n	1,1094	9,0883	+ 0,05
20	9,6423	0,6722	1,2093 n	0,9970	9,1352	+ 0,05
Mart. 1	9,6612	0,6646	1,2438 n	0,8267	9,2144	+ 0,05
11	9,6775	0,6620	1,2632 n	0,5185	9,2813	+ 0,05
21	9,6923	0,6656	1,2690 n	9,2789 n	9,5398	+ 0,04
31	9,7067	0,6755	1,2619 n	0,5629 n	9,8905	+ 0,04
Apr. 10	9,7215	0,6907	1,2415 n	0,8447 n	9,4862	+ 0,04
20	9,7375	0,7096	1,2068 n	1,0047 n	9,4776	+ 0,04
30	9,7549	0,7303	1,1556 n	1,1113 n	9,5154	+ 0,04
Maj. 10	9,7738	0,7509	1,0835 n	1,1862 n	9,5502	+ 0,04
20	9,7939	0,7697	0,9823 n	1,2391 n	9,5824	+ 0,04
30	9,8148	0,7856	0,8340 n	1,2751 n	9,6123	+ 0,04
Jun. 9	9,8361	0,7976	0,5870 n	1,2969 n	9,6404	+ 0,04
19	9,8570	0,8054	9,9056 n	1,3061 n	9,6667	+ 0,04
29	9,8771	0,8087	0,3566	1,3038 n	9,6915	+ 0,04
Jul. 9	9,8958	0,8079	0,7233	1,2882 n	9,7150	+ 0,04
19	9,9130	0,8033	0,9116	1,2600 n	9,7373	+ 0,04
29	9,9276	0,7960	1,0338	1,2168 n	9,7585	+ 0,04
Aug. 8	9,9418	0,7871	1,1195	1,1550 n	9,7787	+ 0,04
18	9,9534	0,7779	1,1809	1,0682 n	9,7980	+ 0,04
28	9,9634	0,7700	1,2239	0,9431 n	9,8164	+ 0,04
Sept. 7	9,9720	0,7649	1,2519	0,7468 n	9,8342	+ 0,04
17	9,9798	0,7638	1,2664	0,3456 n	9,8512	+ 0,04
27	9,9870	0,7656	1,2682	0,0908	9,8676	+ 0,04
Oct. 7	9,9943	0,7761	1,2572	0,6688	9,8834	+ 0,04
17	0,0021	0,7888	1,2324	0,9019	9,8986	+ 0,04
27	0,0106	0,8043	1,1920	1,0442	9,9134	+ 0,03
Nov. 6	0,0202	0,8212	1,1323	1,1414	9,9276	+ 0,03
16	0,0309	0,8378	1,0468	1,2098	9,9414	+ 0,03
26	0,0425	0,8526	0,9223	1,2574	9,9547	+ 0,03
Dec. 6	0,0548	0,8644	0,7258	1,2880	9,9677	+ 0,03
16	0,0675	0,8723	0,3222	1,3037	9,9803	+ 0,03
26	0,0800	0,8761	0,0754 n	1,3056	9,9925	+ 0,04
36	0,0921	0,8756	0,6477 n	1,2937	0,0044	+ 0,04

Tabula VIII.

1809.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,3494	0,8763	0,5095 n	1,2999	— ∞	+ 0,04
10	9,4091	0,8734	0,8069 n	1,2790	8,4362	+ 0,04
20	9,4584	0,8673	0,9724 n	1,2426	8,7373	+ 0,04
30	9,4987	0,8589	1,0813 n	1,1878	8,9134	+ 0,04
Febr. 9	9,5314	0,8497	1,1569 n	1,1094	9,0383	+ 0,04
19	9,5580	0,8412	1,2093 n	0,9970	9,1352	+ 0,04
Mart. 1	9,5800	0,8348	1,2438 n	0,8267	9,2144	+ 0,04
11	9,5987	0,8318	1,2632 n	0,5185	9,2813	+ 0,03
21	9,6156	0,8330	1,2690 n	9,2788 n	9,3393	+ 0,03
31	9,6319	0,8385	1,2619 n	0,5629 n	9,3905	+ 0,03
Apr. 10	9,6488	0,8477	1,2415 n	0,8447 n	9,4362	+ 0,03
20	9,6669	0,8598	1,2068 n	1,0047 n	9,4776	+ 0,03
30	9,6866	0,8733	1,1556 n	1,1113 n	9,5154	+ 0,03
Maj. 10	9,7080	0,8871	1,0835 n	1,1862 n	9,5502	+ 0,03
20	9,7307	0,8998	0,9823 n	1,2391 n	9,5824	+ 0,03
30	9,7543	0,9105	0,8340 n	1,2751 n	9,6123	+ 0,03
Jun. 9	9,7781	0,9184	0,5870 n	1,2969 n	9,6404	+ 0,03
19	9,8014	0,9232	9,9055 n	1,3061 n	9,6667	+ 0,03
29	9,8237	0,9246	0,3567	1,3033 n	9,6915	+ 0,03
Jul. 9	9,8445	0,9228	0,7233	1,2882 n	9,7150	+ 0,03
19	9,8633	0,9182	0,9116	1,2600 n	9,7373	+ 0,03
29	9,8801	0,9115	1,0338	1,2168 n	9,7585	+ 0,03
Aug. 8	9,8947	0,9034	1,1195	1,1550 n	9,7787	+ 0,03
18	9,9073	0,8951	1,1809	1,0682 n	9,7980	+ 0,03
28	9,9180	0,8878	1,2239	0,9431 n	9,8164	+ 0,03
Sept. 7	9,9273	0,8827	1,2519	0,7468 n	9,8342	+ 0,03
17	9,9355	0,8805	1,2664	0,3456 n	9,8512	+ 0,02
27	9,9433	0,8821	1,2682	0,0908	9,8676	+ 0,02
Oct. 7	9,9510	0,8873	1,2572	0,6688	9,8834	+ 0,02
17	9,9592	0,8959	1,2324	0,9019	9,8986	+ 0,02
27	9,9684	0,9068	1,1920	1,0442	9,9134	+ 0,02
Nov. 6	9,9787	0,9190	1,1323	1,1414	9,9276	+ 0,02
16	9,9901	0,9311	1,0468	1,2098	9,9414	+ 0,02
26	0,0026	0,9418	0,9224	1,2574	9,9547	+ 0,02
Dec. 6	0,0159	0,9503	0,7258	1,2880	9,9677	+ 0,02
16	0,0294	0,9556	0,3222	1,3037	9,9803	+ 0,02
26	0,0429	0,9575	0,0753 n	1,3056	9,9925	+ 0,02
36	0,0558	0,9560	0,6477 n	1,2937	0,0044	+ 0,02

Tabula VIII.

1810.

		Log. A	Log. B	Log. C	Log. D	Log. r	E
Jan.	0	9,0960	0,9570	0,5094 n	1,2999	— 20	+ 0,02
	10	9,1964	0,9534	0,8069 n	1,2790	8,4862	+ 0,02
	20	9,2730	0,9471	0,9724 n	1,2426	8,7373	+ 0,02
	30	9,3322	0,9389	1,0815 n	1,1878	8,9134	+ 0,02
Febr.	9	9,3785	0,9299	1,1569 n	1,1094	9,0883	+ 0,02
	19	9,4150	0,9215	1,2095 n	0,9970	9,1352	+ 0,02
Mart.	1	9,4444	0,9149	1,2438 n	0,8267	9,2144	+ 0,02
	11	9,4690	0,9110	1,2632 n	0,5185	9,2813	+ 0,02
	21	9,4910	0,9107	1,2690 n	9,2737 n	9,3593	+ 0,02
	31	9,5120	0,9139	1,2619 n	0,5629 n	9,3505	+ 0,01
Apr.	10	9,5335	0,9208	1,2415 n	0,8447 n	9,4362	+ 0,01
	20	9,5564	0,9292	1,2068 n	1,0047 n	9,4776	+ 0,01
	30	9,5812	0,9395	1,1556 n	1,1113 n	9,5154	+ 0,01
Maj.	10	9,6078	0,9500	1,0835 n	1,1862 n	9,5502	+ 0,01
	20	9,6358	0,9598	0,9823 n	1,2391 n	9,5824	+ 0,01
	30	9,6645	0,9679	0,8339 n	1,2751 n	9,6123	+ 0,01
Jun.	9	9,6932	0,9736	0,5870 n	1,2969 n	9,6404	+ 0,01
	19	9,7211	0,9766	9,9054 n	1,3061 n	9,6667	+ 0,01
	29	9,7475	0,9766	0,3567	1,3035 n	9,6915	+ 0,01
Jul.	9	9,7719	0,9738	0,7253	1,2882 n	9,7150	+ 0,01
	19	9,7938	0,9684	0,9116	1,2600 n	9,7373	+ 0,01
	29	9,8132	0,9611	1,0338	1,2168 n	9,7585	+ 0,01
Aug.	8	9,8300	0,9526	1,1195	1,1550 n	9,7787	+ 0,01
	18	9,8443	0,9439	1,1809	1,0682 n	9,7980	+ 0,01
	28	9,8565	0,9360	1,2239	0,9451 n	9,8164	+ 0,01
Sept.	7	9,8670	0,9300	1,2519	0,7468 n	9,8342	+ 0,01
	17	9,8762	0,9266	1,2664	0,3456 n	9,8512	+ 0,01
	27	9,8849	0,9266	1,2682	0,0908	9,8676	0,00
Oct.	7	9,8936	0,9299	1,2572	0,6688	9,8834	0,00
	17	9,9029	0,9363	1,2324	0,9019	9,8986	0,00
	27	9,9131	0,9449	1,1920	1,0442	9,9134	0,00
Nov.	6	9,9246	0,9547	1,1323	1,1414	9,9276	0,00
	16	9,9374	0,9645	1,0468	1,2098	9,9414	0,00
	26	9,9514	0,9732	0,9224	1,2574	9,9547	0,00
Dec.	6	9,9662	0,9798	0,7258	1,2880	9,9677	0,00
	16	9,9813	0,9835	0,3222	1,3037	9,9808	0,00
	26	9,9962	0,9840	0,0753 n	1,3056	9,9925	0,00
	36	0,0105	0,9813	0,6477 n	1,2937	0,0044	0,00

Tabula VIII.

1811.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. r	*E*
Jan. 0	8,0814	0,9827	0,5094 n	1,2999	— ∞	0,00
10	8,6466	0,9780	0,8069 n	1,2790	8,4362	0,00
20	8,8716	0,9707	0,9724 n	1,2426	8,7373	0,00
30	9,0071	0,9616	1,0813 n	1,1878	8,9134	0,00
Febr. 9	9,0992	0,9518	1,1569 n	1,1094	9,0883	0,00
19	9,1657	0,9424	1,2093 n	0,9971	9,1352	0,00
Mart. 1	9,2162	0,9346	1,2438 n	0,8267	9,2144	0,00
11	9,2568	0,9295	1,2632 n	0,5185	9,2813	0,00
21	9,2917	0,9276	1,2690 n	9,2786 n	9,8393	0,00
31	9,3243	0,9293	1,2619 n	0,5629 n	9,3905	—0,01
Apr. 10	9,3569	0,9340	1,2415 n	0,8447 n	9,4362	—0,01
20	9,3907	0,9412	1,2068 n	1,0047 n	9,4776	—0,01
30	9,4264	0,9498	1,1556 n	1,1113 n	9,5154	—0,01
Maj. 10	9,4638	0,9587	1,0835 n	1,1862 n	9,5502	—0,01
20	9,5022	0,9670	0,9825 n	1,2391 n	9,5824	—0,01
30	9,5408	0,9736	0,8339 n	1,2751 n	9,6123	—0,01
Jun. 9	9,5785	0,9779	0,5870 n	1,2969 n	9,6404	—0,01
19	9,6145	0,9796	9,9053 n	1,3061 n	9,6667	—0,01
29	9,6479	0,9783	0,3567	1,3035 n	9,6915	—0,01
Jul. 9	9,6788	0,9741	0,7233	1,2882 n	9,7150	—0,01
19	9,7054	0,9674	0,9117	1,2600 n	9,7373	—0,01
29	9,7290	0,9587	1,0338	1,2168 n	9,7585	—0,01
Aug. 8	9,7493	0,9488	1,1195	1,1550 n	9,7787	—0,01
18	9,7665	0,9385	1,1809	1,0682 n	9,7980	—0,01
28	9,7811	0,9290	1,2239	0,9431 n	9,8164	—0,01
Sept. 7	9,7936	0,9214	1,2519	0,7468 n	9,8342	—0,01
17	9,8046	0,9165	1,2664	0,3456 n	9,8512	—0,01
27	9,8148	0,9149	1,2682	0,0908	9,8676	—0,01
Oct. 7	9,8251	0,9168	1,2572	0,6688	9,8834	—0,01
17	9,8360	0,9219	1,2324	0,9019	9,8986	—0,02
27	9,8480	0,9294	1,1920	1,0442	9,9134	—0,02
Nov. 6	9,8614	0,9381	1,1323	1,1413	9,9276	—0,02
16	9,8762	0,9464	1,0468	1,2098	9,9414	—0,02
26	9,8924	0,9545	0,9224	1,2574	9,9547	—0,02
Dec. 6	9,9093	0,9600	0,7258	1,2880	9,9677	—0,02
16	9,9266	0,9626	0,3223	1,3037	9,9803	—0,02
26	9,9436	0,9618	0,0752 n	1,3056	9,9925	—0,02
36	9,9597	0,9575	0,6477 n	1,2937	0,0044	—0,02

Tabula VIII.

1812.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 1	9,0043 n	0,9595	0,5094 n	1,2999	— ∞	— 0,02
11	8,8360 n	0,9553	0,8069 n	1,2790	8,4362	— 0,02
21	8,5866 n	0,9441	0,9724 n	1,2426	8,7373	— 0,02
31	8,0338 n	0,9330	1,0813 n	1,1878	8,9134	— 0,02
Febr. 10	8,1271	0,9210	1,1569 n	1,1094	9,0383	— 0,02
20	8,5369	0,9094	1,2093 n	0,9971	9,1352	— 0,02
Mart. 1	8,7221	0,8995	1,2488 n	0,8267	9,2144	— 0,02
11	8,8394	0,8923	1,2632 n	0,5185	9,2813	— 0,02
21	8,9268	0,8888	1,2690 n	9,2785 n	9,3393	— 0,02
31	9,0000	0,8890	1,2619 n	0,5629 n	9,3905	— 0,02
Apr. 10	9,0670	0,8926	1,2415 n	0,8447 n	9,4362	— 0,03
20	9,1316	0,8990	1,2068 n	1,0047 n	9,4776	— 0,03
30	9,1952	0,9070	1,1556 n	1,1113 n	9,5154	— 0,03
Maj. 10	9,2578	0,9154	1,0835 n	1,1862 n	9,5502	— 0,03
20	9,3187	0,9230	0,9825 n	1,2391 n	9,5824	— 0,03
30	9,3768	0,9281	0,8339 n	1,2751 n	9,6123	— 0,03
Jun. 9	9,4314	0,9324	0,5870 n	1,2969 n	9,6404	— 0,03
19	9,4815	0,9328	9,9052 n	1,3061 n	9,6667	— 0,03
29	9,5268	0,9300	0,3568	1,3033 n	9,6915	— 0,03
Jul. 9	9,5670	0,9240	0,7234	1,2882 n	9,7150	— 0,02
19	9,6020	0,9150	0,9117	1,2600 n	9,7373	— 0,02
29	9,6322	0,9037	1,0338	1,2168 n	9,7585	— 0,02
Aug. 8	9,6578	0,8909	1,1195	1,1550 n	9,7787	— 0,02
18	9,6795	0,8776	1,1809	1,0682 n	9,7980	— 0,02
28	9,6975	0,8651	1,2239	0,9451 n	9,8164	— 0,02
Sept. 7	9,7132	0,8547	1,2519	0,7468 n	9,8342	— 0,03
17	9,7264	0,8473	1,2664	0,3456 n	9,8512	— 0,03
27	9,7391	0,8439	1,2682	0,0909	9,8676	— 0,03
Oct. 7	9,7516	0,8445	1,2572	0,6688	9,8834	— 0,03
17	9,7648	0,8489	1,2324	0,9019	9,8986	— 0,03
27	9,7792	0,8561	1,1920	1,0442	9,9134	— 0,04
Nov. 6	9,7952	0,8648	1,1323	1,1413	9,9276	— 0,04
16	9,8128	0,8737	1,0468	1,2098	9,9414	— 0,04
26	9,8317	0,8813	0,9224	1,2574	9,9547	— 0,04
Dec. 6	9,8515	0,8864	0,7258	1,2880	9,9677	— 0,03
16	9,8714	0,8880	0,3223	1,3037	9,9803	— 0,03
26	9,8910	0,8856	0,0751 n	1,3056	9,9925	— 0,03
36	9,9094	0,8791	0,6477 n	1,2937	0,0044	— 0,03

Tabula VIII.

1813.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,3028 n	0,8821	0,5094 n	1,2999	— ∞	— 0,03
10	9,2249 n	0,8731	0,8068 n	1,2790	8,4362	— 0,03
20	9,1367 n	0,8606	0,9724 n	1,2426	8,7375	— 0,03
30	9,0374 n	0,8456	1,0815 n	1,1878	8,9134	— 0,03
Febr. 9	8,9254 n	0,8293	1,1569 n	1,1094	9,0383	— 0,03
19	8,7966 n	0,8133	1,2093 n	0,9971	9,1352	— 0,03
Mart. 1	8,6408 n	0,7991	1,2438 n	0,8267	9,2144	— 0,03
11	8,4278 n	0,7885	1,2632 n	0,5186	9,2813	— 0,03
21	8,0326 n	0,7822	1,2690 n	9,2783 n	9,3393	— 0,04
31	7,7267	0,7808	1,2619 n	0,5629 n	9,3905	— 0,04
Apr. 10	8,3547	0,7838	1,2415 n	0,8447 n	9,4362	— 0,04
20	8,6229	0,7903	1,2068 n	1,0047 n	9,4776	— 0,04
30	8,8058	0,7990	1,1556 n	1,1113 n	9,5154	— 0,04
Maj. 10	8,9508	0,8081	1,0835 n	1,1862 n	9,5502	— 0,04
20	9,0674	0,8164	0,9823 n	1,2391 n	9,5824	— 0,04
30	9,1682	0,8225	0,8339 n	1,2751 n	9,6123	— 0,04
Jun. 9	9,2549	0,8254	0,5869 n	1,2969 n	9,6404	— 0,04
19	9,3295	0,8244	9,9051 n	1,3061 n	9,6667	— 0,04
29	9,3936	0,8194	0,3568	1,3033 n	9,6915	— 0,04
Jul. 9	9,4484	0,8101	0,7234	1,2882 n	9,7150	— 0,04
19	9,4949	0,7969	0,9117	1,2600 n	9,7373	— 0,04
29	9,5340	0,7804	1,0338	1,2168 n	9,7585	— 0,04
Aug. 8	9,5667	0,7617	1,1195	1,1550 n	9,7787	— 0,04
18	9,5939	0,7421	1,1809	1,0682 n	9,7980	— 0,04
28	9,6167	0,7232	1,2239	0,9431 n	9,8164	— 0,04
Sept. 7	9,6359	0,7068	1,2519	0,7468 n	9,8342	— 0,04
17	9,6527	0,6946	1,2664	0,3456 n	9,8512	— 0,04
27	9,6684	0,6879	1,2682	0,0909	9,8676	— 0,04
Oct. 7	9,6837	0,6870	1,2572	0,6688	9,8834	— 0,05
17	9,6998	0,6915	1,2324	0,9019	9,8986	— 0,05
27	9,7171	0,7001	1,1920	1,0442	9,9134	— 0,05
Nov. 6	9,7362	0,7109	1,1323	1,1413	9,9276	— 0,05
16	9,7568	0,7219	1,0468	1,2098	9,9414	— 0,05
26	9,7789	0,7311	0,9224	1,2574	9,9547	— 0,05
Dec. 6	9,8017	0,7367	0,7258	1,2880	9,9677	— 0,05
16	9,8245	0,7375	0,3223	1,3037	9,9803	— 0,05
26	9,8467	0,7326	0,0751 n	1,3056	9,9925	— 0,05
36	9,8676	0,7218	0,6477 n	1,2937	0,0044	— 0,04

Tabula VIII.

1814.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 0	9,4404 n	0,7266	0,5098 n	1,2999	— ∞	— 0,04
10	9,3836 n	0,7121	0,8068 n	1,2790	8,4362	— 0,04
20	9,3226 n	0,6923	0,9724 n	1,2426	8,7373	— 0,04
30	9,2586 n	0,6683	1,0815 n	1,1878	8,9134	— 0,04
Febr. 9	9,1925 n	0,6418	1,1569 n	1,1094	9,0383	— 0,04
19	9,1249 n	0,6150	1,2093 n	0,9971	9,1352	— 0,04
Mart. 1	9,0553 n	0,5906	1,2438 n	0,8267	9,2144	— 0,04
11	8,9814 n	0,5712	1,2632 n	0,5186	9,2813	— 0,05
21	8,8975 n	0,5588	1,2690 n	9,2782 n	9,3393	— 0,05
31	8,7920 n	0,5544	1,2619 n	0,5629 n	9,3905	— 0,05
Apr. 10	8,6414 n	0,5575	1,2415 n	0,8447 n	9,4362	— 0,05
20	8,3727 n	0,5665	1,2068 n	1,0047 n	9,4776	— 0,05
30	6,8573 n	0,5790	1,1556 n	1,1113 n	9,5154	— 0,05
Maj. 10	8,3999	0,5924	1,0835 n	1,1862 n	9,5502	— 0,05
20	8,7317	0,6042	0,9823 n	1,2391 n	9,5824	— 0,05
30	8,9310	0,6124	0,8339 n	1,2751 n	9,6123	— 0,05
Jun. 9	9,0746	0,6155	0,5869 n	1,2969 n	9,6404	— 0,05
19	9,1857	0,6125	9,9050 n	1,3061 n	9,6667	— 0,05
29	9,2747	0,6029	0,3568	1,3033 n	9,6915	— 0,05
Jul. 9	9,3472	0,5855	0,7234	1,2882 n	9,7150	— 0,05
19	9,4067	0,5615	0,9117	1,2600 n	9,7373	— 0,05
29	9,4556	0,5310	1,0338	1,2168 n	9,7585	— 0,05
Aug. 8	9,4958	0,4953	1,1195	1,1550 n	9,7787	— 0,05
18	9,5288	0,4563	1,1809	1,0682 n	9,7980	— 0,05
28	9,5562	0,4168	1,2239	0,9431 n	9,8164	— 0,05
Sept. 7	9,5794	0,3807	1,2519	0,7468 n	9,8342	— 0,05
17	9,5996	0,3520	1,2664	0,3455 n	9,8512	— 0,05
27	9,6182	0,3345	1,2682	0,0909	9,8676	— 0,05
Oct. 7	9,6363	0,3299	1,2572	0,6688	9,8834	— 0,05
17	9,6551	0,3377	1,2324	0,9019	9,8986	— 0,05
27	9,6752	0,3546	1,1920	1,0442	9,9134	— 0,06
Nov. 6	9,6970	0,3762	1,1323	1,1413	9,9276	— 0,06
16	9,7204	0,3977	1,0468	1,2098	9,9414	— 0,06
26	9,7450	0,4149	0,9224	1,2574	9,9547	— 0,05
Dec. 6	9,7703	0,4247	0,7258	1,2880	9,9677	— 0,05
16	9,7955	0,4246	0,3224	1,3037	9,9803	— 0,05
26	9,8198	0,4128	0,0750 n	1,3056	9,9925	— 0,05
36	9,8426	0,3881	0,6476 n	1,2937	0,0044	— 0,05

Tabula VIII.

1815.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,5013 n	0,3990	0,5093 n	1,2999	— ∞	— 0,05
10	9,4509 n	0,3659	0,8068 n	1,2790	8,4862	— 0,05
20	9,3975 n	0,3186	0,9724 n	1,2426	8,7373	— 0,05
30	9,3423 n	0,2572	1,0813 n	1,1878	8,9134	— 0,05
Febr. 9	9,2863 n	0,1827	1,1569 n	1,1094	9,0383	— 0,05
19	9,2302 n	0,0977	1,2093 n	0,9971	9,1352	— 0,05
Mart. 1	9,1737 n	0,0080	1,2438 n	0,8267	9,2144	— 0,05
11	9,1151 n	9,9242	1,2632 n	0,5186	9,2813	— 0,05
21	9,0858 n	9,8615	1,2690 n	9,2781 n	9,3393	— 0,05
31	8,9754 n	9,8340	1,2619 n	0,5629 n	9,3905	— 0,05
Apr. 10	8,8770 n	9,8453	1,2415 n	0,8447 n	9,4362	— 0,06
20	8,7330 n	9,8857	1,2068 n	1,0047 n	9,4776	— 0,06
30	8,4800 n	9,9391	1,1556 n	1,1113 n	9,5154	— 0,06
Maj. 10	7,5289 n	9,9916	1,0835 n	1,1862 n	9,5502	— 0,06
20	8,4221	0,0343	0,9823 n	1,2391 n	9,5824	— 0,06
30	8,7698	0,0617	0,8339 n	1,2751 n	9,6123	— 0,06
Jun. 9	8,9699	0,0705	0,5869 n	1,2969 n	9,6404	— 0,06
19	9,1103	0,0575	9,9049 n	1,3061 n	9,6667	— 0,06
29	9,2171	0,0185	0,3569	1,3033 n	9,6915	— 0,06
Jul. 9	9,3012	9,9466	0,7234	1,2882 n	9,7150	— 0,06
19	9,3688	9,8272	0,9117	1,2600 n	9,7373	— 0,06
29	9,4236	9,6233	1,0339	1,2168 n	9,7585	— 0,06
Aug. 8	9,4682	9,1682	1,1195	1,1550 n	9,7787	— 0,06
18	9,5047	9,0994 n	1,1809	1,0682 n	9,7980	— 0,06
28	9,5350	9,5775 n	1,2239	0,9431 n	9,8164	— 0,06
Sept. 7	9,5605	9,7710 n	1,2519	0,7468 n	9,8342	— 0,06
17	9,5827	9,8734 n	1,2664	0,8455 n	9,8512	— 0,06
27	9,6031	9,9240 n	1,2682	0,0909	9,8676	— 0,06
Oct. 7	9,6230	9,9370 n	1,2572	0,6688	9,8834	— 0,06
17	9,6454	9,9186 n	1,2324	0,9019	9,8986	— 0,06
27	9,6650	9,8722 n	1,1920	1,0442	9,9134	— 0,06
Nov. 6	9,6882	9,8008 n	1,1323	1,1413	9,9276	— 0,06
16	9,7129	9,7106 n	1,0468	1,2098	9,9414	— 0,06
26	9,7388	9,6170 n	0,9224	1,2574	9,9547	— 0,06
Dec. 6	9,7652	9,5517 n	0,7259	1,2880	9,9677	— 0,06
16	9,7915	9,5540 n	0,3224	1,3057	9,9803	— 0,06
26	9,8167	9,6335 n	0,0749 n	1,3056	9,9925	— 0,06
36	9,8403	9,7585 n	0,6476 n	1,2937	0,0044	— 0,06

Tabula VIII.

1816.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 1	9,5070 n	9,7088 n	0,5093 n	1,2999	— ∞	— 0,05
11	9,4557 n	9,8427 n	0,8068 n	1,2790	8,4362	— 0,05
21	9,4011 n	9,9711 n	0,9724 n	1,2486	8,7373	— 0,05
31	9,3444 n	0,0828 n	1,0813 n	1,1878	8,9134	— 0,05
Febr. 10	9,2863 n	0,1746 n	1,1569 n	1,1094	9,0383	— 0,05
20	9,2275 n	0,2468 n	1,2093 n	0,9971	9,1352	— 0,05
Mart. 1	9,1676 n	0,3006 n	1,2438 n	0,8267	9,2144	— 0,05
11	9,1046 n	0,3376 n	1,2632 n	0,5186	9,2813	— 0,05
21	9,0349 n	0,3593 n	1,2690 n	9,2780 n	9,3393	— 0,05
31	8,9510 n	0,3674 n	1,2619 n	0,5629 n	9,3905	— 0,05
Apr. 10	8,8397 n	0,3637 n	1,2415 n	0,8447 n	9,4362	— 0,05
20	8,6711 n	0,3503 n	1,2068 n	1,0047 n	9,4776	— 0,05
30	8,3420 n	0,3299 n	1,1556 n	1,1113 n	9,5154	— 0,06
Maj. 10	7,7709	0,3060 n	1,0855 n	1,1862 n	9,5502	— 0,06
20	8,5653	0,2830 n	0,9823 n	1,2591 n	9,5824	— 0,05
30	8,8463	0,2660 n	0,8339 n	1,2751 n	9,6123	— 0,05
Jun. 9	9,0239	0,2597 n	0,5869 n	1,2969 n	9,6404	— 0,05
19	9,1552	0,2670 n	9,9048 n	1,3061 n	9,6667	— 0,05
29	9,2534	0,2886 n	0,3569	1,3033 n	9,6915	— 0,05
Jul. 9	9,3334	0,3220 n	0,7234	1,2882 n	9,7150	— 0,05
19	9,3983	0,3630 n	0,9117	1,2600 n	9,7373	— 0,05
29	9,4912	0,4072 n	1,0339	1,2168 n	9,7585	— 0,05
Aug. 8	9,4946	0,4505 n	1,1195	1,1550 n	9,7787	— 0,05
18	9,5304	0,4900 n	1,1809	1,0682 n	9,7980	— 0,05
28	9,5601	0,5233 n	1,2239	0,9431 n	9,8164	— 0,05
Sept. 7	9,5853	0,5494 n	1,2519	0,7468 n	9,8342	— 0,05
17	9,6075	0,5676 n	1,2664	0,3455 n	9,8512	— 0,05
27	9,6278	0,5776 n	1,2682	0,0909	9,8676	— 0,05
Oct. 7	9,6476	0,5798 n	1,2572	0,6688	9,8834	— 0,05
17	9,6678	0,5749 n	1,2324	0,9019	9,8986	— 0,05
27	9,6891	0,5643 n	1,1920	1,0442	9,9134	— 0,05
Nov. 6	9,7119	0,5498 n	1,1323	1,1413	9,9276	— 0,05
16	9,7369	0,5341 n	1,0468	1,2098	9,9414	— 0,05
26	9,7615	0,5203 n	0,9224	1,2574	9,9547	— 0,05
Dec. 6	9,7873	0,5116 n	0,7259	1,2880	9,9677	— 0,05
16	9,8129	0,5108 n	0,3225	1,3037	9,9803	— 0,05
26	9,8376	0,5193 n	0,0749 n	1,3056	9,9925	— 0,05
36	9,8607	0,5367 n	0,6476 n	1,2938	0,0044	— 0,05

Tabula VIII.

1817.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 0	9,4601 n	0,5291 n	0,5093 n	1,2999	— ∞	— 0,05
10	9,4008 n	0,5512 n	0,8068 n	1,2790	8,4362	— 0,04
20	9,3365 n	0,5785 n	0,9723 n	1,2426	8,7373	— 0,04
30	9,2677 n	0,6079 n	1,0813 n	1,1878	8,9134	— 0,04
Febr. 9	9,1948 n	0,6364 n	1,1569 n	1,1094	9,0383	— 0,04
19	9,1178 n	0,6618 n	1,2093 n	0,9971	9,1352	— 0,04
Mart. 1	9,0352 n	0,6824 n	1,2438 n	0,8268	9,2144	— 0,04
11	8,9429 n	0,6973 n	1,2632 n	0,5186	9,2815	— 0,04
21	8,8315 n	0,7060 n	1,2690 n	9,2779 n	9,3393	— 0,04
31	8,6802 n	0,7088 n	1,2619 n	0,5629 n	9,3905	— 0,05
Apr. 10	8,4273 n	0,7062 n	1,2415 n	0,8447 n	9,4362	— 0,05
20	7,5527 n	0,6992 n	1,2068 n	1,0047 n	9,4776	— 0,05
30	8,3473	0,6892 n	1,1556 n	1,1113 n	9,5154	— 0,05
Maj. 10	8,7079	0,6779 n	1,0835 n	1,1862 n	9,5502	— 0,05
20	8,9180	0,6672 n	0,9823 n	1,2391 n	9,5824	— 0,05
30	9,0688	0,6591 n	0,8339 n	1,2751 n	9,6123	— 0,05
Jun. 9	9,1861	0,6552 n	0,5869 n	1,2969 n	9,6404	— 0,04
19	9,2813	0,6572 n	9,9048 n	1,3061 n	9,6667	— 0,04
29	9,3597	0,6650 n	0,3569	1,3033 n	9,6915	— 0,04
Jul. 9	9,4249	0,6781 n	0,7234	1,2882 n	9,7150	— 0,04
19	9,4795	0,6956 n	0,9117	1,2600 n	9,7373	— 0,04
29	9,5250	0,7156 n	1,0339	1,2168 n	9,7585	— 0,04
Aug. 8	9,5629	0,7364 n	1,1195	1,1550 n	9,7787	— 0,04
18	9,5946	0,7562 n	1,1809	1,0682 n	9,7980	— 0,04
28	9,6213	0,7736 n	1,2239	0,9431 n	9,8164	— 0,04
Sept. 7	9,6442	0,7875 n	1,2519	0,7468 n	9,8342	— 0,04
17	9,6643	0,7970 n	1,2664	0,3455 n	9,8512	— 0,04
27	9,6830	0,8020 n	1,2682	0,0909	9,8676	— 0,04
Oct. 7	9,7012	0,8023 n	1,2572	0,6688	9,8834	— 0,04
17	9,7198	0,7983 n	1,2324	0,9019	9,8986	— 0,04
27	9,7395	0,7910 n	1,1920	1,0442	9,9134	— 0,04
Nov. 6	9,7604	0,7814 n	1,1323	1,1413	9,9276	— 0,04
16	9,7828	0,7711 n	1,0469	1,2098	9,9414	— 0,04
26	9,8061	0,7620 n	0,9224	1,2574	9,9547	— 0,04
Dec. 6	9,8300	0,7558 n	0,7259	1,2880	9,9677	— 0,04
16	9,8538	0,7542 n	0,3225	1,3057	9,9808	— 0,04
26	9,8768	0,7578 n	0,0748 n	1,3056	9,9925	— 0,04
36	9,8984	0,7667 n	0,6476 n	1,2938	0,0044	— 0,03

Tabula VIII.

1818.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. r	*E*
Jan. 0	9,3483 n	0,7628 n	0,5092 n	1,2999	— ∞	— 0,03
10	9,2682 n	0,7746 n	0,3068 n	1,2790	8,4362	— 0,03
20	9,1760 n	0,7899 n	0,0728 n	1,2426	8,7373	— 0,03
30	9,0696 n	0,8071 n	1,0813 n	1,1878	8,9134	— 0,03
Febr. 9	8,9445 n	0,8242 n	1,1569 n	1,1094	9,0383	— 0,03
19	8,7911 n	0,8398 n	1,2095 n	0,9971	9,1352	— 0,03
Mart. 1	8,5834 n	0,8525 n	1,2438 n	0,8268	9,2144	— 0,03
11	8,2251 n	0,8616 n	1,2632 n	0,5186	9,2813	— 0,03
21	7,5798	0,8665 n	1,2690 n	9,2777 n	9,3393	— 0,03
31	8,3893	0,8674 n	1,2619 n	0,5628 n	9,3906	— 0,03
Apr. 10	8,6663	0,8645 n	1,2415 n	0,8447 n	9,4362	— 0,03
20	8,8468	0,8586 n	1,2068 n	1,0047 n	9,4776	— 0,04
30	8,9860	0,8505 n	1,1556 n	1,1113 n	9,5154	— 0,04
Maj. 10	9,1016	0,8416 n	1,0835 n	1,1862 n	9,5502	— 0,04
20	9,2009	0,8331 n	0,9823 n	1,2391 n	9,5824	— 0,03
30	9,2876	0,8264 n	0,8339 n	1,2751 n	9,6123	— 0,03
Jun. 9	9,3635	0,8226 n	0,5869 n	1,2969 n	9,6404	— 0,03
19	9,4301	0,8226 n	9,9047 n	1,3061 n	9,6667	— 0,03
29	9,4882	0,8266 n	0,3570	1,3033 n	9,6915	— 0,03
Jul. 9	9,5385	0,8345 n	0,7234	1,2882 n	9,7150	— 0,03
19	9,5818	0,8456 n	0,9117	1,2600 n	9,7373	— 0,03
29	9,6188	0,8586 n	1,0339	1,2168 n	9,7585	— 0,03
Aug. 8	9,6505	0,8724 n	1,1195	1,1550 n	9,7787	— 0,02
18	9,6770	0,8859 n	1,1809	1,0682 n	9,7980	— 0,02
28	9,6998	0,8977 n	1,2240	0,9431 n	9,8164	— 0,02
Sept. 7	9,7195	0,9071 n	1,2519	0,7468 n	9,8342	— 0,02
17	9,7370	0,9133 n	1,2664	0,3455 n	9,8512	— 0,03
27	9,7533	0,9160 n	1,2682	0,0909	9,8676	— 0,03
Oct. 7	9,7695	0,9151 n	1,2572	0,6688	9,8834	— 0,03
17	9,7857	0,9109 n	1,2324	0,9019	9,8986	— 0,03
27	9,8030	0,9041 n	1,1920	1,0442	9,9134	— 0,03
Nov. 6	9,8216	0,8955 n	1,1323	1,1415	9,9276	— 0,03
16	9,8414	0,8865 n	1,0469	1,2098	9,9414	— 0,03
26	9,8623	0,8782 n	0,9224	1,2574	9,9547	— 0,03
Dec. 6	9,8856	0,8723 n	0,7259	1,2880	9,9677	— 0,03
16	9,9050	0,8697 n	0,3225	1,3037	9,9806	— 0,02
26	9,9258	0,8712 n	0,0747 n	1,3056	9,9925	— 0,02
36	9,9454	0,8768 n	0,6476 n	1,2938	0,0044	— 0,02

Tabula VIII.

1819.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,1227 n	0,8732 n	0,5092 n	1,2999	— ∞	— 0,02
10	8,9756 n	0,8821 n	0,8068 n	1,2790	8,4362	— 0,02
20	8,7674 n	0,8929 n	0,9723 n	1,2426	8,7373	— 0,02
30	8,4052 n	0,9052 n	1,0813 n	1,1878	8,9134	— 0,02
Febr. 9	7,6513	0,9178 n	1,1569 n	1,1094	9,0383	— 0,02
19	8,4944	0,9292 n	1,2093 n	0,9971	9,1352	— 0,02
Mart. 1	8,7419	0,9384 n	1,2438 n	0,8268	9,2144	— 0,02
11	8,8878	0,9447 n	1,2632 n	0,5186	9,2813	— 0,02
21	8,9926	0,9477 n	1,2690 n	9,2776 n	9,3393	— 0,02
31	9,0774	0,9473 n	1,2619 n	0,5628 n	9,3905	— 0,02
Apr. 10	9,1518	0,9437 n	1,2415 n	0,8447 n	9,4362	— 0,02
20	9,2207	0,9376 n	1,2068 n	1,0047 n	9,4776	— 0,02
30	9,2861	0,9297 n	1,1556 n	1,1113 n	9,5154	— 0,02
Maj. 10	9,3488	0,9210 n	1,0835 n	1,1862 n	9,5502	— 0,02
20	9,4085	0,9127 n	0,9823 n	1,2391 n	9,5824	— 0,02
30	9,4649	0,9058 n	0,8339 n	1,2751 n	9,6123	— 0,02
Jun. 9	9,5174	0,9014 n	0,5868 n	1,2969 n	9,6404	— 0,02
19	9,5657	0,9000 n	9,9046 n	1,3061 n	9,6667	— 0,02
29	9,6094	0,9021 n	0,3570	1,3033 n	9,6915	— 0,01
Jul. 9	9,6484	0,9074 n	0,7235	1,2882 n	9,7150	— 0,01
19	9,6827	0,9154 n	0,9117	1,2600 n	9,7373	— 0,01
29	9,7127	0,9253 n	1,0339	1,2168 n	9,7585	— 0,01
Aug. 8	9,7385	0,9360 n	1,1195	1,1550 n	9,7787	— 0,01
18	9,7607	0,9464 n	1,1809	1,0682 n	9,7980	— 0,01
28	9,7798	0,9555 n	1,2240	0,9431 n	9,8164	— 0,01
Sept. 7	9,7965	0,9626 n	1,2519	0,7468 n	9,8342	— 0,01
17	9,8115	0,9669 n	1,2664	0,3455 n	9,8512	— 0,01
27	9,8255	0,9681 n	1,2682	0,0909	9,8676	— 0,01
Oct. 7	9,8393	0,9661 n	1,2572	0,6688	9,8834	— 0,01
17	9,8534	0,9612 n	1,2324	0,9019	9,8986	— 0,01
27	9,8685	0,9539 n	1,1920	1,0442	9,9134	— 0,01
Nov. 6	9,8847	0,9451 n	1,1323	1,1413	9,9276	— 0,01
16	9,9021	0,9357 n	1,0469	1,2098	9,9414	— 0,01
26	9,9204	0,9270 n	0,9224	1,2574	9,9547	— 0,01
Dec. 6	9,9393	0,9204 n	0,7259	1,2880	9,9677	— 0,01
16	9,9583	0,9167 n	0,3226	1,3037	9,9803	— 0,01
26	9,9768	0,9167 n	0,0747 n	1,3056	9,9925	— 0,01
36	9,9945	0,9204 n	0,6475 n	1,2988	0,0044	0,00

Tabula VIII.

1820.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 1	8,4365 n	0,9185 n	0.5092 n	1,2999	— ∞	0.00
11	8,0434	0,9243 n	0,8068 n	1,2790	8.4362	0,00
21	8.6749	0,9328 n	0,9723 n	1,2426	8.7373	0.00
31	8,9067	0,9428 n	1,0813 n	1,1878	8.9134	0,00
Febr. 10	9,0445	0,9531 n	1,1569 n	1,1094	9,0383	0,00
20	9,1390	0,9624 n	1,2093 n	0.9971	9,1352	0.00
Mart. 1	9,2093	0,9698 n	1,2438 n	0.8268	9,2144	0,00
11	9,2652	0,9745 n	1,2632 n	0,5186	9,2813	0.00
21	9.3127	0,9760 n	1,2690 n	9,2775 n	9.3393	0.00
31	9,3557	0,9744 n	1,2619 n	0,5628 n	9,3905	0,00
Apr. 10	9,3968	0,9699 n	1,2415 n	0,8447 n	9,4362	0,00
20	9,4376	0,9628 n	1,2068 n	1,0047 n	9,4776	0,00
30	9,4787	0,9541 n	1,1556 n	1,1113 n	9,5154	0,00
Maj. 10	9,5201	0,9446 n	1,0835 n	1,1862 n	9,5502	0,00
20	9,5614	0,9354 n	0,9822 n	1,2391 n	9,5824	0,00
30	9,6020	0,9275 n	0,8339 n	1,2751 n	9,6123	0,00
Jun. 9	9,6410	0,9219 n	0,5868 n	1,2969 n	9,6404	0,00
19	9,6779	0,9192 n	9,9045 n	1,3061 n	9,6667	0,00
29	9,7121	0,9198 n	0,3570	1,3033 n	9,6915	0,00
Jul. 9	9,7433	0,9236 n	0,7235	1,2882 n	9,7150	0,00
19	9,7712	0,9300 n	0,9117	1,2600 n	9,7373	+ 0,01
29	9,7958	0,9382 n	1,0339	1,2168 n	9,7585	+ 0,01
Aug. 8	9,8173	0,9473 n	1,1196	1,1550 n	9,7787	+ 0,01
18	9,8360	0,9561 n	1,1809	1,0682 n	9,7980	+ 0,01
28	9,8521	0,9638 n	1,2240	0,9431 n	9,8164	+ 0,01
Sept. 7	9,8663	0,9695 n	1,2519	0,7467 n	9,8342	+ 0,01
17	9,8791	0,9725 n	1,2664	0,3455 n	9,8512	+ 0,01
27	9,8912	0,9724 n	1,2682	0,0910	9,8676	+ 0,01
Oct. 7	9,9031	0,9692 n	1,2572	0,6688	9,8834	+ 0,01
17	9,9153	0,9631 n	1,2324	0,9019	9,8986	+ 0,01
27	9,9284	0,9546 n	1,1920	1,0442	9,9134	0,00
Nov. 6	9,9426	0,9444 n	1,1323	1,1413	9,9276	0,00
16	9,9578	0,9336 n	1,0469	1,2098	9,9414	+ 0,01
26	9,9740	0,9236 n	0,9224	1,2574	9,9547	+ 0,01
Dec. 6	9,9907	0,9154 n	0,7259	1,2880	9,9677	+ 0,01
16	0,0076	0,9103 n	0,3226	1,3037	9,9803	+ 0,01
26	0,0242	0,9088 n	0,0746 n	1,3056	9,9925	+ 0,01
36	0,0407	0,9112 n	0,6475 n	1,2938	0,0044	+ 0,01

Tabula VIII.

1821.

		Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan.	0	8,9128	0,9099 n	0,5092 n	1,2999	— ∞	+ 0,01
	10	9,0797	0,9144 n	0,8067 n	1,2790	8,4362	+ 0,01
	20	9,1940	0,9217 n	0,9725 n	1,2426	8,7373	+ 0,02
	30	9,2778	0,9306 n	1,0813 n	1,1878	8,9134	+ 0,02
Febr.	9	9,3417	0,9398 n	1,1569 n	1,1094	9,0383	+ 0,02
	19	9,3918	0,9481 n	1,2093 n	0,9971	9,1352	+ 0,02
Mart.	1	9,4323	0,9544 n	1,2458 n	0,8268	9,2144	+ 0,02
	11	9,4665	0,9580 n	1,2632 n	0,5186	9,2813	+ 0,02
	21	9,4968	0,9584 n	1,2690 n	9,2774 n	9,3395	+ 0,01
	31	9,5252	0,9554 n	1,2619 n	0,5628 n	9,3905	+ 0,01
Apr.	10	9,5533	0,9494 n	1,2415 n	0,8447 n	9,4362	+ 0,01
	20	9,5820	0,9407 n	1,2068 n	1,0047 n	9,4776	+ 0,01
	30	9,6117	0,9301 n	1,1556 n	1,1113 n	9,5154	+ 0,01
Maj.	10	9,6424	0,9187 n	1,0835 n	1,1862 n	9,5502	+ 0,01
	20	9,6738	0,9075 n	0,9822 n	1,2391 n	9,5824	+ 0,01
	30	9,7063	0,8977 n	0,8339 n	1,2751 n	9,6123	+ 0,02
Jun.	9	9,7362	0,8902 n	0,5868 n	1,2969 n	9,6404	+ 0,02
	19	9,7659	0,8858 n	9,9044 n	1,3061 n	9,6667	+ 0,02
	29	9,7939	0,8850 n	0,3571	1,3033 n	9,6915	+ 0,02
Jul.	9	9,8197	0,8876 n	0,7235	1,2882 n	9,7150	+ 0,02
	19	9,8431	0,8931 n	0,9117	1,2600 n	9,7373	+ 0,02
	29	9,8640	0,9006 n	1,0339	1,2168 n	9,7585	+ 0,02
Aug.	8	9,8823	0,9091 n	1,1196	1,1550 n	9,7787	+ 0,03
	18	9,8982	0,9174 n	1,1809	1,0682 n	9,7980	+ 0,03
	28	9,9121	0,9245 n	1,2240	0,9431 n	9,8164	+ 0,03
Sept.	7	9,9244	0,9293 n	1,2519	0,7467 n	9,8342	+ 0,02
	17	9,9355	0,9313 n	1,2664	0,5454 n	9,8512	+ 0,02
	27	9,9459	0,9300 n	1,2682	0,0910	9,8676	+ 0,02
Oct.	7	9,9563	0,9251 n	1,2572	0,6688	9,8834	+ 0,02
	17	9,9670	0,9170 n	1,2324	0,9019	9,8986	+ 0,02
	27	9,9785	0,9061 n	1,1920	1,0442	9,9134	+ 0,02
Nov.	6	9,9910	0,8933 n	1,1323	1,1413	9,9276	+ 0,02
	16	0,0045	0,8798 n	1,0469	1,2098	9,9414	+ 0,02
	26	0,0189	0,8669 n	0,9224	1,2574	9,9547	+ 0,02
Dec.	6	0,0339	0,8561 n	0,7259	1,2880	9,9677	+ 0,02
	16	0,0491	0,8486 n	0,3226	1,3057	9,9803	+ 0,03
	26	0,0641	0,8454 n	0,0745 n	1,3056	9,9925	+ 0,03
	36	0,0784	0,8466 n	0,6475 n	1,2938	0,0044	+ 0,03

Tabula VIII.

1822.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 0	9,2632	0,8457 *n*	0,5091 *n*	1,2999	— ∞	+ 0,03
10	9,3449	0,8493 *n*	0,8067 *n*	1,2790	8,4362	+ 0,03
20	9,4101	0,8563 *n*	0,9723 *n*	1,2426	8,7873	+ 0,03
30	9,4624	0,8652 *n*	1,0813 *n*	1,1878	8,9134	+ 0,03
Febr. 9	9,5047	0,8745 *n*	1,1569 *n*	1,1094	9,0383	+ 0,03
19	9,5392	0,8827 *n*	1,2093 *n*	0,9971	9,1852	+ 0,03
Mart. 1	9,5680	0,8887 *n*	1,2458 *n*	0,8268	9,2144	+ 0,03
11	9,5927	0,8915 *n*	1,2682 *n*	0,5187	9,2813	+ 0,03
21	9,6152	0,8905 *n*	1,2690 *n*	9,2778 *n*	9,3895	+ 0,03
31	9,6366	0,8857 *n*	1,2619 *n*	0,5628 *n*	9,8906	+ 0,03
Apr. 10	9,6580	0,8772 *n*	1,2415 *n*	0,8447 *n*	9,4362	+ 0,03
20	9,6803	0,8656 *n*	1,2068 *n*	1,0047 *n*	9,4776	+ 0,03
30	9,7038	0,8515 *n*	1,1556 *n*	1,1113 *n*	9,5154	+ 0,03
Maj. 10	9,7284	0,8363 *n*	1,0835 *n*	1,1862 *n*	9,5502	+ 0,03
20	9,7540	0,8212 *n*	0,9822 *n*	1,2391 *n*	9,5824	+ 0,03
30	9,7799	0,8076 *n*	0,8338 *n*	1,2751 *n*	9,6123	+ 0,03
Jun. 9	9,8058	0,7967 *n*	0,5868 *n*	1,2969 *n*	9,6404	+ 0,03
19	9,8310	0,7897 *n*	9,9043 *n*	1,3061 *n*	9,6667	+ 0,03
29	9,8549	0,7870 *n*	0,3571	1,3033 *n*	9,6915	+ 0,04
Jul. 9	9,8771	0,7886 *n*	0,7235	1,2882 *n*	9,7150	+ 0,04
19	9,8974	0,7939 *n*	0,9118	1,2600 *n*	9,7373	+ 0,04
29	9,9155	0,8018 *n*	1,0339	1,2168 *n*	9,7585	+ 0,04
Aug. 8	9,9315	0,8109 *n*	1,1196	1,1550 *n*	9,7787	+ 0,04
18	9,9456	0,8198 *n*	1,1809	1,0682 *n*	9,7980	+ 0,04
28	9,9578	0,8272 *n*	1,2240	0,9431 *n*	9,8164	+ 0,04
Sept. 7	9,9686	0,8319 *n*	1,2519	0,7467 *n*	9,8342	+ 0,04
17	9,9783	0,8329 *n*	1,2664	0,3454 *n*	9,8512	+ 0,04
27	9,9876	0,8298 *n*	1,2682	0,0910	9,8676	+ 0,04
Oct. 7	9,9967	0,8223 *n*	1,2572	0,6688	9,8834	+ 0,04
17	0,0063	0,8105 *n*	1,2324	0,9019	9,8986	+ 0,03
27	0,0166	0,7951 *n*	1,1920	1,0442	9,9134	+ 0,03
Nov. 6	0,0278	0,7769 *n*	1,1323	1,1415	9,9276	+ 0,03
16	0,0400	0,7575 *n*	1,0469	1,2098	9,9414	+ 0,03
26	0,0530	0,7386 *n*	0,9224	1,2574	9,9547	+ 0,04
Dec. 6	0,0668	0,7223 *n*	0,7259	1,2880	9,9677	+ 0,04
16	0,0806	0,7104 *n*	0,3227	1,3067	9,9803	+ 0,04
26	0,0943	0,7042 *n*	0,0745 *n*	1,3056	9,9925	+ 0,04
36	0,1074	0,7041 *n*	0,6475 *n*	1,2938	0,0044	+ 0,04

Tabula VIII.

1823.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 0	9,4254	0,7084 n	0,5091 n	1,2999	— ∞	+ 0,04
10	9,4823	0,7068 n	0,8067 n	1,2790	8,4362	+ 0,04
20	9,5299	0,7147 n	0,9723 n	1,2426	8,7373	+ 0,04
30	9,5694	0,7253 n	1,0813 n	1,1878	8,9134	+ 0,04
Febr. 9	9,6021	0,7365 n	1,1569 n	1,1094	9,0383	+ 0,04
19	9,6292	0,7462 n	1,2093 n	0,9971	9,1352	+ 0,04
Mart. 1	9,6521	0,7529 n	1,2438 n	0,8268	9,2144	+ 0,04
11	9,6720	0,7552 n	1,2632 n	0,5187	9,2818	+ 0,04
21	9,6901	0,7524 n	1,2690 n	9,2771 n	9,3398	+ 0,04
31	9,7076	0,7443 n	1,2619 n	0,5628 n	9,3905	+ 0,04
Apr. 10	9,7253	0,7310 n	1,2415 n	0,8447 n	9,4362	+ 0,04
20	9,7439	0,7130 n	1,2068 n	1,0047 n	9,4776	+ 0,04
30	9,7637	0,6913 n	1,1556 n	1,1113 n	9,5154	+ 0,04
Maj. 10	9,7848	0,6673 n	1,0835 n	1,1862 n	9,5502	+ 0,04
20	9,8068	0,6430 n	0,9822 n	1,2391 n	9,5824	+ 0,04
30	9,8294	0,6204 n	0,8838 n	1,2751 n	9,6123	+ 0,04
Jun. 9	9,8520	0,6016 n	0,5868 n	1,2969 n	9,6404	+ 0,04
19	9,8743	0,5886 n	9,9042 n	1,3061 n	9,6667	+ 0,04
29	9,8956	0,5823 n	0,3571	1,3033 n	9,6915	+ 0,05
Jul. 9	9,9155	0,5829 n	0,7235	1,2882 n	9,7150	+ 0,05
19	9,9337	0,5894 n	0,9118	1,2600 n	9,7373	+ 0,05
29	9,9500	0,6002 n	1,0339	1,2168 n	9,7585	+ 0,05
Aug. 8	9,9645	0,6128 n	1,1196	1,1550 n	9,7787	+ 0,05
18	9,9771	0,6250 n	1,1809	1,0682 n	9,7980	+ 0,05
28	9,9881	0,6349 n	1,2240	0,9431 n	9,8164	+ 0,05
Sept. 7	9,9979	0,6405 n	1,2519	0,7467 n	9,8342	+ 0,05
17	0,0067	0,6405 n	1,2664	0,3454 n	9,8512	+ 0,05
27	0,0150	0,6341 n	1,2682	0,0910	9,8676	+ 0,05
Oct. 7	0,0233	0,6206 n	1,2572	0,6688	9,8834	+ 0,04
17	0,0319	0,6000 n	1,2324	0,9019	9,8986	+ 0,04
27	0,0413	0,5728 n	1,1920	1,0442	9,9134	+ 0,04
Nov. 6	0,0516	0,5401 n	1,1323	1,1413	9,9276	+ 0,04
16	0,0628	0,5040 n	1,0469	1,2098	9,9414	+ 0,04
26	0,0749	0,4674 n	0,9225	1,2573	9,9547	+ 0,05
Dec. 6	0,0876	0,4342 n	0,7260	1,2880	9,9677	+ 0,05
16	0,1005	0,4083 n	0,3227	1,3037	9,9808	+ 0,05
26	0,1138	0,3933 n	0,0744 n	1,3056	9,9925	+ 0,05
36	0,1256	0,3906 n	0,6475 n	1,2938	0,0044	+ 0,05

Tabula VIII.

1824.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *s*	*E*
Jan. 1	9,5073	0,3902 *n*	0,5091 *n*	1,2999	— ∞	+ 0,05
11	9,5539	0,3947 *n*	0,3067 *n*	1,2790	8,4362	+ 0,05
21	9,5936	0,4085 *n*	0,9725 *n*	1,2426	8,7373	+ 0,05
31	9,6270	0,4275 *n*	1,0613 *n*	1,1878	8,9134	+ 0,05
Febr. 10	9,6549	0,4474 *n*	1,1569 *n*	1,1094	9,0383	+ 0,05
20	9,6782	0,4642 *n*	1,2093 *n*	0,9971	9,1352	+ 0,05
Mart. 1	9,6979	0,4750 *n*	1,2438 *n*	0,8268	9,2144	+ 0,05
11	9,7151	0,4775 *n*	1,2632 *n*	0,5187	9,2813	+ 0,05
21	9,7309	0,4705 *n*	1,2690 *n*	9,2770 *n*	9,3393	+ 0,05
31	9,7461	0,4529 *n*	1,2619 *n*	0,5628 *n*	9,3905	+ 0,05
Apr. 10	9,7617	0,4245 *n*	1,2415 *n*	0,8447 *n*	9,4362	+ 0,05
20	9,7781	0,3851 *n*	1,2068 *n*	1,0047 *n*	9,4776	+ 0,05
30	9,7958	0,3353 *n*	1,1556 *n*	1,1113 *n*	9,5154	+ 0,05
Maj. 10	9,8148	0,2764 *n*	1,0835 *n*	1,1862 *n*	9,5502	+ 0,05
20	9,8348	0,2110 *n*	0,9822 *n*	1,2391 *n*	9,5824	+ 0,05
30	9,8555	0,1436 *n*	0,8586 *n*	1,2751 *n*	9,6123	+ 0,05
Jun. 9	9,8763	0,0810 *n*	0,5868 *n*	1,2969 *n*	9,6404	+ 0,05
19	9,8969	0,0319 *n*	9,9041 *n*	1,3061 *n*	9,6667	+ 0,05
29	9,9166	0,0045 *n*	0,3572	1,3032 *n*	9,6915	+ 0,05
Jul. 9	9,9351	0,0025 *n*	0,7235	1,2882 *n*	9,7150	+ 0,05
19	9,9520	0,0230 *n*	0,9118	1,2600 *n*	9,7373	+ 0,05
29	9,9673	0,0576 *n*	1,0339	1,2168 *n*	9,7585	+ 0,05
Aug. 8	9,9808	0,0970 *n*	1,1196	1,1550 *n*	9,7787	+ 0,05
18	9,9925	0,1351 *n*	1,1809	1,0682 *n*	9,7980	+ 0,05
28	0,0027	0,1605 *n*	1,2240	0,9430 *n*	9,8164	+ 0,05
Sept. 7	0,0117	0,1745 *n*	1,2519	0,7467 *n*	9,8342	+ 0,05
17	0,0199	0,1720 *n*	1,2664	0,3454 *n*	9,8512	+ 0,05
27	0,0275	0,1508 *n*	1,2682	0,0910	9,8676	+ 0,05
Oct. 7	0,0352	0,1052 *n*	1,2572	0,6688	9,8834	+ 0,05
17	0,0432	0,0606 *n*	1,2324	0,9019	9,8986	+ 0,05
27	0,0520	9,9162 *n*	1,1920	1,0442	9,9134	+ 0,05
Nov. 6	0,0616	9,7577 *n*	1,1323	1,1418	9,9276	+ 0,05
16	0,0723	9,4201 *n*	1,0469	1,2098	9,9414	+ 0,05
26	0,0837	7,1367	0,9225	1,2573	9,9547	+ 0,05
Dec. 6	0,0958	9,3503	0,7260	1,2880	9,9677	+ 0,05
16	0,1082	9,5877	0,3228	1,3037	9,9806	+ 0,05
26	0,1204	9,6811	0,0745 *n*	1,3056	9,9925	+ 0,05
36	0,1322	9,7000	0,6475 *n*	1,2938	0,0044	+ 0,05

Tabula VIII.

1825.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 0	9,5345	9,7001	0,5091 n	1,2999	— ∞	+ 0,05
10	9,5773	9,6823	0,8067 n	1,2790	8,4362	+ 0,05
20	9,6139	9,6086	0,9723 n	1,2426	8,7373	+ 0,06
30	9,6449	9,4719	1,0812 n	1,1878	8,9134	+ 0,06
Febr. 9	9,6707	9,2447	1,1569 n	1,1095	9,0383	+ 0,06
19	9,6923	8,8417	1,2093 n	0,9971	9,1352	+ 0,05
Mart. 1	9,7106	6,7482	1,2438 n	0,8268	9,2144	+ 0,05
11	9,7265	8,1202 n	1,2632 n	0,5187	9,2813	+ 0,05
21	9,7410	8,5891	1,2690 n	9,2769 n	9,3395	+ 0,05
31	9,7551	9,2019	1,2619 n	0,5628 n	9,3905	+ 0,05
Apr. 10	9,7696	9,5344	1,2415 n	0,8447 n	9,4362	+ 0,05
20	9,7851	9,7602	1,2068 n	1,0047 n	9,4776	+ 0,05
30	9,8018	9,9249	1,1556 n	1,1113 n	9,5154	+ 0,05
Maj. 10	9,8198	0,0485	1,0835 n	1,1862 n	9,5502	+ 0,05
20	9,8389	0,1413	0,9822 n	1,2391 n	9,5824	+ 0,05
30	9,8588	0,2096	0,8338 n	1,2751 n	9,6123	+ 0,05
Jun. 9	9,8789	0,2574	0,5867 n	1,2969 n	9,6404	+ 0,05
19	9,8988	0,2876	9,9040 n	1,3061 n	9,6667	+ 0,05
29	9,9179	0,3023	0,3572	1,3032 n	9,6915	+ 0,05
Jul. 9	9,9358	0,3035	0,7235	1,2882 n	9,7150	+ 0,05
19	9,9522	0,2930	0,9118	1,2600 n	9,7373	+ 0,05
29	9,9670	0,2733	1,0339	1,2168 n	9,7585	+ 0,05
Aug. 8	9,9800	0,2475	1,1196	1,1550 n	9,7787	+ 0,05
18	9,9913	0,2200	1,1809	1,0681 n	9,7980	+ 0,05
28	0,0011	0,1963	1,2240	0,9430 n	9,8164	+ 0,05
Sept. 7	0,0097	0,1828	1,2519	0,7467 n	9,8342	+ 0,05
17	0,0174	0,1847	1,2664	0,3454 n	9,8512	+ 0,05
27	0,0247	0,2044	1,2682	0,0910	9,8676	+ 0,05
Oct. 7	0,0320	0,2404	1,2572	0,6688	9,8834	+ 0,05
17	0,0397	0,2875	1,2324	0,9019	9,8986	+ 0,05
27	0,0481	0,3396	1,1920	1,0442	9,9134	+ 0,05
Nov. 6	0,0575	0,3911	1,1323	1,1413	9,9276	+ 0,05
16	0,0678	0,4381	1,0469	1,2098	9,9414	+ 0,05
26	0,0790	0,4777	0,9225	1,2578	9,9547	+ 0,05
Dec. 6	0,0908	0,5085	0,7260	1,2880	9,9677	+ 0,05
16	0,1030	0,5293	0,3228	1,3037	9,9808	+ 0,05
26	0,1151	0,5407	0,0742 n	1,3056	9,9925	+ 0,05
36	0,1267	0,5428	0,6474 n	1,2938	0,0044	+ 0,05

Tabula VIII.

1826.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. r	*E*
Jan. 0	9,5126	0,5450	0,5090 n	1,2999	— ∞	+ 0,05
10	9,5562	0,5400	0,8067 n	1,2790	8,4362	+ 0,05
20	9,5935	0,5300	0,9723 n	1,2426	8,7373	+ 0,05
30	9,6248	0,5151	1,0812 n	1,1878	8,9134	+ 0,05
Febr. 9	9,6509	0,4982	1,1569 n	1,1095	9,0383	+ 0,05
19	9,6725	0,4826	1,2098 n	0,9971	9,1352	+ 0,05
Mart. 1	9,6907	0,4718	1,2458 n	0,8268	9,2144	+ 0,05
11	9,7064	0,4690	1,2652 n	0,5187	9,2813	+ 0,05
21	9,7208	0,4758	1,2690 n	9,2768 n	9,3393	+ 0,05
31	9,7347	0,4921	1,2619 n	0,5628 n	9,3905	+ 0,05
Apr. 10	9,7491	0,5161	1,2415 n	0,8447 n	9,4362	+ 0,04
20	9,7645	0,5451	1,2068 n	1,0047 n	9,4776	+ 0,04
30	9,7813	0,5761	1,1556 n	1,1113 n	9,5154	+ 0,04
Maj. 10	9,7995	0,6061	1,0855 n	1,1862 n	9,5502	+ 0,04
20	9,8188	0,6331	0,9822 n	1,2391 n	9,5824	+ 0,04
30	9,8390	0,6556	0,8538 n	1,2751 n	9,6123	+ 0,04
Jun. 9	9,8594	0,6726	0,5867 n	1,2969 n	9,6404	+ 0,04
19	9,8796	0,6837	9,9089 n	1,3061 n	9,6667	+ 0,04
29	9,8990	0,6890	0,3572	1,3032 n	9,6915	+ 0,05
Jul. 9	9,9171	0,6887	0,7236	1,2882 n	9,7150	+ 0,05
19	9,9338	0,6836	0,9118	1,2600 n	9,7373	+ 0,05
29	9,9487	0,6749	1,0339	1,2168 n	9,7585	+ 0,05
Aug. 8	9,9616	0,6640	1,1196	1,1550 n	9,7787	+ 0,05
18	9,9731	0,6528	1,1809	1,0631 n	9,7980	+ 0,05
28	9,9829	0,6431	1,2240	0,9450 n	9,8164	+ 0,05
Sept. 7	9,9914	0,6378	1,2519	0,7467 n	9,8342	+ 0,05
17	9,9990	0,6371	1,2664	0,3454 n	9,8512	+ 0,04
27	0,0062	0,6430	1,2682	0,0910	9,8676	+ 0,04
Oct. 7	0,0134	0,6554	1,2572	0,6688	9,8834	+ 0,04
17	0,0210	0,6731	1,2324	0,9019	9,8986	+ 0,04
27	0,0294	0,6943	1,1920	1,0442	9,9134	+ 0,04
Nov. 6	0,0388	0,7169	1,1328	1,1413	9,9276	+ 0,04
16	0,0492	0,7388	1,0469	1,2098	9,9414	+ 0,04
26	0,0605	0,7581	0,9225	1,2578	9,9547	+ 0,04
Dec. 6	0,0725	0,7736	0,7260	1,2880	9,9677	+ 0,04
16	0,0849	0,7842	0,3228	1,3057	9,9803	+ 0,04
26	0,0971	0,7896	0,0742 n	1,3056	9,9925	+ 0,04
36	0,1089	0,7899	0,6474 n	1,2988	0,0044	+ 0,04

Tabula VIII.

1827.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 0	9,4347	0,7904	0,5090 n	1,2999	— ∞	+ 0,04
10	9,4851	0,7878	0,8067 n	1,2790	8,4362	+ 0,04
20	9,5275	0,7812	0,9723 n	1,2426	8,7373	+ 0,04
30	9,5626	0,7719	1,0812 n	1,1878	8,9134	+ 0,04
Febr. 9	9,5915	0,7615	1,1569 n	1,1095	9,0383	+ 0,04
19	9,6153	0,7520	1,2098 n	0,9971	9,1352	+ 0,04
Mart. 1	9,6350	0,7451	1,2438 n	0,8268	9,2144	+ 0,04
11	9,6520	0,7425	1,2632 n	0,5187	9,2813	+ 0,04
21	9,6674	0,7450	1,2690 n	9,2767 n	9,3393	+ 0,04
31	9,6823	0,7527	1,2619 n	0,5628 n	9,3905	+ 0,04
Apr. 10	9,6977	0,7649	1,2415 n	0,8447 n	9,4362	+ 0,03
20	9,7143	0,7804	1,2068 n	1,0047 n	9,4776	+ 0,03
30	9,7324	0,7975	1,1556 n	1,1113 n	9,5154	+ 0,03
Maj. 10	9,7520	0,8148	1,0835 n	1,1862 n	9,5502	+ 0,03
20	9,7729	0,8307	0,9822 n	1,2391 n	9,5824	+ 0,03
30	9,7946	0,8440	0,8338 n	1,2751 n	9,6123	+ 0,03
Jun. 9	9,8166	0,8541	0,5867 n	1,2969 n	9,6404	+ 0,03
19	9,8383	0,8605	9,9038 n	1,3061 n	9,6667	+ 0,03
29	9,8591	0,8629	0,3573	1,3032 n	9,6915	+ 0,04
Jul. 9	9,8784	0,8617	0,7236	1,2882 n	9,7150	+ 0,04
19	9,8961	0,8573	0,9118	1,2600 n	9,7373	+ 0,04
29	9,9119	0,8503	1,0339	1,2168 n	9,7585	+ 0,04
Aug. 8	9,9257	0,8420	1,1196	1,1550 n	9,7787	+ 0,04
18	9,9376	0,8334	1,1809	1,0681 n	9,7980	+ 0,04
28	9,9478	0,8259	1,2240	0,9430 n	9,8164	+ 0,04
Sept. 7	9,9566	0,8209	1,2519	0,7467 n	9,8342	+ 0,03
17	9,9645	0,8194	1,2664	0,3454 n	9,8512	+ 0,03
27	9,9719	0,8222	1,2682	0,0911	9,8676	+ 0,03
Oct. 7	9,9793	0,8291	1,2572	0,6688	9,8834	+ 0,03
17	9,9872	0,8398	1,2324	0,9019	9,8986	+ 0,03
27	9,9959	0,8532	1,1920	1,0442	9,9134	+ 0,03
Nov. 6	0,0057	0,8678	1,1323	1,1413	9,9276	+ 0,03
16	0,0166	0,8823	1,0469	1,2098	9,9414	+ 0,03
26	0,0285	0,8952	0,9225	1,2573	9,9547	+ 0,03
Dec. 6	0,0411	0,9054	0,7260	1,2879	9,9677	+ 0,03
16	0,0541	0,9122	0,3229	1,3037	9,9805	+ 0,03
26	0,0669	0,9151	0,0741 n	1,3056	9,9925	+ 0,03
36	0,0793	0,9143	0,6474 n	1,2938	0,0044	+ 0,03

Tabula VIII.

1828.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 1	9,2736	0,9150	0,5090 n	1,2999	— ∞	+ 0″,03
11	9,3434	0,9119	0,8067 n	1,2790	8,4862	+ 0,03
21	9,3998	0,9058	0,9723 n	1,2426	8,7373	+ 0,03
31	9,4453	0,8977	1,0812 n	1,1878	8,9134	+ 0,03
Febr. 10	9,4817	0,8887	1,1569 n	1,1095	9,0883	+ 0,03
20	9,5111	0,8804	1,2093 n	0,9971	9,1852	+ 0,03
Mart. 1	9,5352	0,8741	1,2438 n	0,8268	9,2144	+ 0,03
11	9,5556	0,8708	1,2632 n	0,5187	9,2813	+ 0,03
21	9,5740	0,8713	1,2690 n	9,2765 n	9,3393	+ 0,02
31	9,5917	0,8758	1,2619 n	0,5628 n	9,3905	+ 0,02
Apr. 10	9,6099	0,8837	1,2415 n	0,8447 n	9,4362	+ 0,02
20	9,6294	0,8943	1,2068 n	1,0048 n	9,4776	+ 0,02
30	9,6507	0,9063	1,1556 n	1,1115 n	9,5154	+ 0,02
Maj. 10	9,6737	0,9186	1,0835 n	1,1862 n	9,5502	+ 0,02
20	9,6981	0,9299	0,9822 n	1,2391 n	9,5824	+ 0,02
30	9,7232	0,9394	0,8338 n	1,2751 n	9,6123	+ 0,02
Jun. 9	9,7486	0,9464	0,5867 n	1,2969 n	9,6404	+ 0,02
19	9,7734	0,9504	9,9037 n	1,3061 n	9,6667	+ 0,02
29	9,7970	0,9512	0,3573	1,3032 n	9,6915	+ 0,02
Jul. 9	9,8189	0,9491	0,7236	1,2882 n	9,7150	+ 0,02
19	9,8388	0,9442	0,9118	1,2600 n	9,7373	+ 0,02
29	9,8564	0,9373	1,0339	1,2167 n	9,7585	+ 0,02
Aug. 8	9,8717	0,9292	1,1196	1,1550 n	9,7787	+ 0,02
18	9,8848	0,9209	1,1809	1,0681 n	9,7980	+ 0,02
28	9,8960	0,9135	1,2240	0,9430 n	9,8164	+ 0,02
Sept. 7	9,9057	0,9081	1,2519	0,7467 n	9,8342	+ 0,02
17	9,9143	0,9055	1,2664	0,3454 n	9,8512	+ 0,02
27	9,9223	0,9064	1,2682	0,0911	9,8676	+ 0,03
Oct. 7	9,9303	0,9108	1,2572	0,6688	9,8834	+ 0,01
17	9,9389	0,9184	1,2324	0,9019	9,8986	+ 0,01
27	9,9484	0,9282	1,1920	1,0442	9,9134	+ 0,01
Nov. 6	9,9591	0,9393	1,1323	1,1413	9,9276	+ 0,01
16	9,9711	0,9503	1,0469	1,2098	9,9414	+ 0,01
26	9,9840	0,9601	0,9225	1,2573	9,9547	+ 0,01
Dec. 6	9,9977	0,9677	0,7260	1,2879	9,9677	+ 0,01
16	0,0118	0,9723	0,8229	1,3057	9,9803	+ 0,01
26	0,0258	0,9737	0,0740 n	1,3056	9,9925	+ 0,01
36	0,0392	0,9717	0,6474 n	1,2938	0,0044	+ 0,01

Tabula VIII.

1829.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	8,9140	0,9728	0,5090 n	1,2999	— ∞	+ 0,01
10	9,0583	0,9689	0,8067 n	1,2790	8,4362	+ 0,01
20	9,1600	0,9623	0,9723 n	1,2426	8,7373	+ 0,01
30	9,2352	0,9539	1,0812 n	1,1878	8,9134	+ 0,01
Febr. 9	9,2920	0,9447	1,1569 n	1,1095	9,0383	+ 0,01
19	9,3360	0,9360	1,2093 n	0,9972	9,1352	+ 0,01
Mart. 1	9,3708	0,9291	1,2438 n	0,8268	9,2144	+ 0,01
11	9,3997	0,9248	1,2632 n	0,5187	9,2813	+ 0,01
21	9,4252	0,9238	1,2690 n	9,2764 n	9,3393	+ 0,01
31	9,4494	0,9264	1,2619 n	0,5628 n	9,3905	+ 0,01
Apr. 10	9,4740	0,9321	1,2415 n	0,8447 n	9,4362	0,00
20	9,5001	0,9402	1,2068 n	1,0048 n	9,4776	0,00
30	9,5281	0,9497	1,1556 n	1,1113 n	9,5154	0,00
Maj. 10	9,5579	0,9594	1,0835 n	1,1862 n	9,5502	0,00
20	9,5892	0,9685	0,9822 n	1,2391 n	9,5824	0,00
30	9,6210	0,9759	0,8338 n	1,2751 n	9,6123	0,00
Jun. 9	9,6526	0,9810	0,5867 n	1,2969 n	9,6404	0,00
19	9,6830	0,9835	9,9036 n	1,3061 n	9,6667	0,00
29	9,7117	0,9830	0,3573	1,3032 n	9,6915	0,00
Jul. 9	9,7381	0,9797	0,7236	1,2882 n	9,7150	0,00
19	9,7617	0,9739	0,9118	1,2600 n	9,7373	0,00
29	9,7825	0,9661	1,0339	1,2167 n	9,7585	0,00
Aug. 8	9,8004	0,9572	1,1196	1,1550 n	9,7787	0,00
18	9,8157	0,9480	1,1809	1,0681 n	9,7980	0,00
28	9,8287	0,9396	1,2240	0,9430 n	9,8164	0,00
Sept. 7	9,8398	0,9331	1,2519	0,7467 n	9,8342	0,00
17	9,8497	0,9292	1,2664	0,3453 n	9,8512	0,00
27	9,8589	0,9286	1,2683	0,0911	9,8676	0,00
Oct. 7	9,8681	0,9314	1,2572	0,6688	9,8834	0,00
17	9,8779	0,9371	1,2324	0,9019	9,8986	— 0,01
27	9,8888	0,9452	1,1920	1,0442	9,9134	— 0,01
Nov. 6	9,9009	0,9544	1,1323	1,1413	9,9276	— 0,01
16	9,9145	0,9637	1,0469	1,2098	9,9414	— 0,01
26	9,9292	0,9719	0,9225	1,2573	9,9547	— 0,01
Dec. 6	9,9447	0,9779	0,7260	1,2879	9,9677	— 0,01
16	9,9606	0,9812	0,3229	1,3037	9,9803	— 0,01
26	9,9762	0,9812	0,0740 n	1,3056	9,9925	— 0,01
36	9,9912	0,9780	0,6474 n	1,2938	0,0044	0,00

Tabula VIII.

1830.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 0	8,5111 n	0,9796	0,5089 n	1,2999	— ∞	0,00
10	6,2305 n	0,9744	0,8066 n	1,2790	8,4362	0,00
20	8,4767	0,9665	0,9723 n	1,2426	8,7373	0,00
30	8,7578	0,9568	1,0812 n	1,1879	8,9134	0,00
Febr. 9	8,9100	0,9462	1,1569 n	1,1095	9,0383	0,00
19	9,0092	0,9361	1,2093 n	0,9972	9,1352	— 0,01
Mart. 1	9,0801	0,9277	1,2438 n	0,8263	9,2144	— 0,01
11	9,1349	0,9219	1,2632 n	0,5187	9,2813	— 0,01
21	9,1808	0,9194	1,2690 n	9,2763 n	9,3393	— 0,01
31	9,2225	0,9205	1,2619 n	0,5628 n	9,3905	— 0,01
Apr. 10	9,2633	0,9248	1,2415 n	0,8447 n	9,4362	— 0,01
20	9,3050	0,9316	1,2068 n	1,0018 n	9,4776	— 0,01
30	9,3482	0,9398	1,1556 n	1,1113 n	9,5154	— 0,02
Maj. 10	9,3928	0,9484	1,0835 n	1,1862 n	9,5502	— 0,02
20	9,4379	0,9563	0,9822 n	1,2391 n	9,5824	— 0,02
30	9,4825	0,9626	0,8338 n	1,2751 n	9,6123	— 0,02
Jun. 9	9,5254	0,9665	0,5866 n	1,2969 n	9,6404	— 0,02
19	9,5660	0,9677	9,9035 n	1,3061 n	9,6667	— 0,01
29	9,6033	0,9658	0,3574	1,3032 n	9,6915	— 0,01
Jul. 9	9,6396	0,9611	0,7296	1,2882 n	9,7150	— 0,01
19	9,6667	0,9536	0,9118	1,2600 n	9,7373	— 0,01
29	9,6926	0,9441	1,0339	1,2167 n	9,7585	— 0,01
Aug. 8	9,7147	0,9332	1,1196	1,1550 n	9,7787	— 0,01
18	9,7334	0,9221	1,1809	1,0681 n	9,7980	— 0,01
28	9,7492	0,9117	1,2240	0,9430 n	9,8164	— 0,01
Sept. 7	9,7627	0,9031	1,2519	0,7467 n	9,8342	— 0,02
17	9,7746	0,8974	1,2664	0,3453 n	9,8512	— 0,02
27	9,7857	0,8952	1,2683	0,0911	9,8676	— 0,02
Oct. 7	9,7967	0,8966	1,2572	0,6688	9,8834	— 0,02
17	9,8084	0,9014	1,2324	0,9019	9,8986	— 0,02
27	9,8213	0,9086	1,1920	1,0442	9,9134	— 0,02
Nov. 6	9,8356	0,9172	1,1323	1,1413	9,9276	— 0,02
16	9,8515	0,9258	1,0469	1,2098	9,9414	— 0,02
26	9,8686	0,9333	0,9225	1,2573	9,9547	— 0,02
Dec. 6	9,8866	0,9386	0,7261	1,2879	9,9677	— 0,02
16	9,9048	0,9408	0,3230	1,3037	9,9803	— 0,02
26	9,9228	0,9394	0,0739 n	1,3056	9,9925	— 0,02
36	9,9398	0,9344	0,6474 n	1,2938	0,0044	— 0,02

Tabula VIII.

1831.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. r	*E*
Jan. 0	9,1521 n	0,9367	0,5089 n	1,2999	— ∞	— 0,02
10	9,0387 n	0,9296	0,8066 n	1,2790	8,4362	— 0,02
20	8,8968 n	0,9194	0,9722 n	1,2426	8,7373	— 0,02
30	8,7095 n	0,9072	1,0812 n	1,1879	8,9134	— 0,02
Febr. 9	8,4288 n	0,8937	1,1569 n	1,1095	9,0333	— 0,02
19	7,7497 n	0,8808	1,2093 n	0,9972	9,1352	— 0,02
Mart. 1	8,1099	0,8696	1,2488 n	0,8269	9,2144	— 0,02
11	8,4686	0,8614	1,2632 n	0,5188	9,2813	— 0,02
21	8,6535	0,8569	1,2690 n	9,2762 n	9,3393	— 0,03
31	8,7834	0,8565	1,2619 n	0,5628 n	9,3905	— 0,03
Apr. 10	8,8898	0,8599	1,2415 n	0,8447 n	9,4362	— 0,03
20	8,9845	0,8662	1,2068 n	1,0048 n	9,4776	— 0,03
30	9,0721	0,8742	1,1556 n	1,1114 n	9,5154	— 0,03
Maj. 10	9,1541	0,8727	1,0855 n	1,1862 n	9,5502	— 0,03
20	9,2306	0,8904	0,9822 n	1,2391 n	9,5824	— 0,03
30	9,3014	0,8963	0,8338 n	1,2751 n	9,6123	— 0,03
Jun. 9	9,3659	0,8995	0,5866 n	1,2970 n	9,6404	— 0,03
19	9,4240	0,8994	9,9034 n	1,3061 n	9,6667	— 0,03
29	9,4757	0,8958	0,3574	1,3032 n	9,6915	— 0,03
Jul. 9	9,5209	0,8888	0,7256	1,2882 n	9,7150	— 0,03
19	9,5600	0,8785	0,9118	1,2600 n	9,7373	— 0,03
29	9,5934	0,8657	1,0339	1,2167 n	9,7585	— 0,03
Aug. 8	9,6216	0,8511	1,1196	1,1550 n	9,7787	— 0,03
18	9,6452	0,8360	1,1809	1,0681 n	9,7980	— 0,03
28	9,6650	0,8216	1,2240	0,9430 n	9,8164	— 0,03
Sept. 7	9,6818	0,8095	1,2519	0,7467 n	9,8342	— 0,03
17	9,6966	0,8007	1,2664	0,3453 n	9,8512	— 0,03
27	9,7103	0,7962	1,2683	0,0911	9,8676	— 0,03
Oct. 7	9,7239	0,7963	1,2572	0,6688	9,8834	— 0,04
17	9,7381	0,8006	1,2325	0,9019	9,8986	— 0,04
27	9,7537	0,8081	1,1920	1,0442	9,9134	— 0,04
Nov. 6	9,7708	0,8173	1,1323	1,1413	9,9276	— 0,04
16	9,7896	0,8267	1,0469	1,2098	9,9414	— 0,04
26	9,8097	0,8346	0,9225	1,2573	9,9547	— 0,04
Dec. 6	9,8306	0,8397	0,7261	1,2879	9,9677	— 0,04
16	9,8517	0,8410	0,3230	1,3037	9,9803	— 0,04
26	9,8723	0,8378	0,0739 n	1,3056	9,9925	— 0,04
36	9,8917	0,8301	0,6473 n	1,2938	0,0044	— 0,04

Tabula VIII.

1832.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 1	9,3680 n	0,8335	0,5089 n	1,2999	— ∞	—0,04
11	9,3012 n	0,8230	0,8066 n	1,2791	8,4362	—0,03
21	9,2277 n	0,8084	0,9722 n	1,2426	8,7373	—0,03
31	9,1481 n	0,7908	1,0812 n	1,1879	8,9134	—0,03
Febr. 10	9,0628 n	0,7717	1,1569 n	1,1095	9,0383	—0,03
20	8,9716 n	0,7528	1,2093 n	0,9972	9,1352	—0,04
Mart. 1	8,8731 n	0,7359	1,2438 n	0,8269	9,2144	—0,04
11	8,7575 n	0,7229	1,2632 n	0,5188	9,2818	—0,04
21	8,6118 n	0,7150	1,2690 n	9,2760 n	9,3393	—0,04
31	8,3890 n	0,7127	1,2619 n	0,5628 n	9,3905	—0,04
Apr. 10	7,8389 n	0,7156	1,2415 n	0,8447 n	9,4362	—0,04
20	8,1055	0,7226	1,2068 n	1,0048 n	9,4776	—0,04
30	8,5446	0,7321	1,1556 n	1,1114 n	9,5154	—0,04
Maj. 10	8,7805	0,7422	1,0834 n	1,1862 n	9,5502	—0,04
20	8,9472	0,7513	0,9822 n	1,2391 n	9,5824	—0,04
30	9,0770	0,7578	0,8388 n	1,2751 n	9,6123	—0,04
Jun. 9	9,1825	0,7607	0,5866 n	1,2970 n	9,6404	—0,04
19	9,2702	0,7591	9,9084 n	1,3061 n	9,6667	—0,04
29	9,3436	0,7527	0,3575	1,3032 n	9,6915	—0,04
Jul. 9	9,4052	0,7413	0,7236	1,2882 n	9,7150	—0,04
19	9,4568	0,7253	0,9118	1,2600 n	9,7373	—0,04
29	9,4998	0,7052	1,0340	1,2167 n	9,7585	—0,04
Aug. 8	9,5355	0,6823	1,1196	1,1550 n	9,7787	—0,04
18	9,5651	0,6580	1,1809	1,0681 n	9,7980	—0,04
28	9,5897	0,6344	1,2240	0,9430 n	9,8164	—0,04
Sept. 7	9,6105	0,6136	1,2519	0,7467 n	9,8342	—0,04
17	9,6287	0,5978	1,2664	0,3458 n	9,8512	—0,04
27	9,6455	0,5887	1,2685	0,0911	9,8676	—0,04
Oct. 7	9,6621	0,5869	1,2572	0,6688	9,8834	—0,05
17	9,6792	0,5919	1,2325	0,9019	9,8986	—0,05
27	9,6977	0,6021	1,1920	1,0442	9,9134	—0,05
Nov. 6	9,7179	0,6150	1,1323	1,1413	9,9276	—0,05
16	9,7398	0,6281	1,0469	1,2098	9,9414	—0,05
26	9,7629	0,6390	0,9225	1,2573	9,9547	—0,05
Dec. 6	9,7868	0,6453	0,7261	1,2879	9,9677	—0,05
16	9,8107	0,6458	0,3231	1,3037	9,9803	—0,05
26	9,8338	0,6393	0,0738 n	1,3056	9,9925	—0,04
36	9,8555	0,6254	0,6473 n	1,2938	0,0044	—0,04

Tabula VIII.

1833.

		Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. r	*E*
Jan.	0	9,4714 n	0,6315	0,5089 n	1,2999	— ∞	—0,04
	10	9,4182 n	0,6129	0,8066 n	1,2791	8,4362	—0,04
	20	9,3614 n	0,5874	0,9722 n	1,2426	8,7373	—0,04
	30	9,3025 n	0,5560	1,0812 n	1,1879	8,9134	—0,04
Febr.	9	9,2422 n	0,5207	1,1569 n	1,1095	9,0383	—0,04
	19	9,1814 n	0,4843	1,2093 n	0,9972	9,1352	—0,04
Mart.	1	9,1179 n	0,4503	1,2438 n	0,8269	9,2144	—0,04
	11	9,0552 n	0,4225	1,2632 n	0,5188	9,2813	—0,05
	21	8,9838 n	0,4043	1,2690 n	9,2759 n	9,3393	—0,05
	31	8,8974 n	0,3972	1,2619 n	0,5628 n	9,3905	—0,05
Apr.	10	8,7813 n	0,4009	1,2415 n	0,8447 n	9,4362	—0,05
	20	8,6005 n	0,4132	1,2068 n	1,0048 n	9,4776	—0,05
	30	8,2199 n	0,4302	1,1556 n	1,1114 n	9,5154	—0,05
Maj.	10	7,9836	0,4484	1,0834 n	1,1862 n	9,5502	—0,05
	20	8,5889	0,4642	0,9822 n	1,2391 n	9,5824	—0,05
	30	8,8489	0,4750	0,8338 n	1,2751 n	9,6123	—0,05
Jun.	9	9,0188	0,4788	0,5866 n	1,2970 n	9,6404	—0,05
	19	9,1443	0,4741	9,9033 n	1,3061 n	9,6667	—0,05
	29	9,2423	0,4599	0,3575	1,3032 n	9,6915	—0,05
Jul.	9	9,3207	0,4355	0,7237	1,2882 n	9,7150	—0,05
	19	9,3844	0,4006	0,9119	1,2600 n	9,7373	—0,05
	29	9,4364	0,3552	1,0340	1,2167 n	9,7585	—0,04
Aug.	8	9,4788	0,2998	1,1196	1,1550 n	9,7787	—0,04
	18	9,5137	0,2363	1,1809	1,0681 n	9,7980	—0,04
	28	9,5425	0,1679	1,2240	0,9490 n	9,8164	—0,05
Sept.	7	9,5668	0,1007	1,2519	0,7466 n	9,8342	—0,05
	17	9,5881	0,0434	1,2664	0,3453 n	9,8512	—0,05
	27	9,6076	0,0059	1,2683	0,0911	9,8676	—0,05
Oct.	7	9,6266	9,9952	1,2572	0,6688	9,8834	—0,05
	17	9,6462	0,0108	1,2325	0,9019	9,8986	—0,05
	27	9,6671	0,0452	1,1920	1,0442	9,9134	—0,05
Nov.	6	9,6896	0,0874	1,1323	1,1413	9,9276	—0,05
	16	9,7137	0,1276	1,0469	1,2098	9,9414	—0,05
	26	9,7890	0,1586	0,9225	1,2573	9,9547	—0,05
Dec.	6	9,7650	0,1756	0,7261	1,2879	9,9677	—0,05
	16	9,7908	0,1750	0,3231	1,3037	9,9803	—0,05
	26	9,8156	0,1534	0,0737 n	1,3056	9,9925	—0,05
	36	9,8389	0,1071	0,6473 n	1,2938	0,0044	—0,05

Tabula VIII.

1834.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,5097 n	0,1277	0,5088 n	1,2999	— ∞	— 0,05
10	9,4597 n	0,0681	0,8066 n	1,2791	8,4362	— 0,05
20	9,4067 n	9,9619	0,9722 n	1,2426	8,7373	— 0,05
30	9,3520 n	9,8065	1,0812 n	1,1879	8,9134	— 0,05
Febr. 9	9,2964 n	9,5494	1,1569 n	1,1095	9,0383	— 0,05
19	9,2406 n	8,9165	1,2093 n	0,9972	9,1352	— 0,05
Mart. 1	9,1843 n	9,1819 n	1,2438 n	0,8269	9,2144	— 0,05
11	9,1260 n	9,5203 n	1,2632 n	0,5188	9,2813	— 0,05
21	9,0622 n	9,6483 n	1,2690 n	9,2758 n	9,3393	— 0,05
31	8,9868 n	9,6905 n	1,2619 n	0,5628 n	9,3905	— 0,05
Apr. 10	8,8890 n	9,6743 n	1,2415 n	0,8447 n	9,4362	— 0,05
20	8,7469 n	9,6069 n	1,2068 n	1,0048 n	9,4776	— 0,05
30	8,4990 n	9,4830 n	1,1556 n	1,1114 n	9,5154	— 0,05
Maj. 10	7,6325 n	9,2843 n	1,0834 n	1,1862 n	9,5502	— 0,05
20	8,4136	8,9599 n	0,9822 n	1,2891 n	9,5824	— 0,05
30	8,7692	8,3111 n	0,8337 n	1,2751 n	9,6123	— 0,05
Jun. 9	8,9713	7,5079	0,5866 n	1,2970 n	9,6404	— 0,05
19	9,1128	8,4955 n	9,9082 n	1,3061 n	9,6667	— 0,05
29	9,2200	9,1104 n	0,3575	1,3032 n	9,6915	— 0,05
Jul. 9	9,3045	9,4591 n	0,7257	1,2882 n	9,7150	— 0,05
19	9,3723	9,6988 n	0,9119	1,2600 n	9,7373	— 0,05
29	9,4273	9,8755 n	1,0340	1,2167 n	9,7585	— 0,05
Aug. 8	9,4722	0,0098 n	1,1196	1,1549 n	9,7787	— 0,05
18	9,5089	0,1122 n	1,1809	1,0681 n	9,7980	— 0,05
28	9,5394	0,1892 n	1,2240	0,9430 n	9,8164	— 0,05
Sept. 7	9,5651	0,2448 n	1,2519	0,7466 n	9,8342	— 0,05
17	9,5876	0,2817 n	1,2664	0,3453 n	9,8512	— 0,05
27	9,6082	0,3019 n	1,2683	0,0911	9,8676	— 0,05
Oct. 7	9,6283	0,3071 n	1,2572	0,6688	9,8834	— 0,05
17	9,6488	0,2990 n	1,2325	0,9019	9,8986	— 0,05
27	9,6705	0,2799 n	1,1920	1,0442	9,9134	— 0,05
Nov. 6	9,6937	0,2530 n	1,1323	1,1413	9,9276	— 0,05
16	9,7185	0,2228 n	1,0469	1,2098	9,9414	— 0,05
26	9,7444	0,1956 n	0,9225	1,2573	9,9547	— 0,05
Dec. 6	9,7708	0,1787 n	0,7261	1,2879	9,9677	— 0,05
16	9,7969	0,1786 n	0,3231	1,3037	9,9803	— 0,05
26	9,8221	0,1982 n	0,0736 n	1,3056	9,9925	— 0,05
36	9,8457	0,2356 n	0,6473 n	1,2998	0,0044	— 0,05

Tabula VIII.

1835.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,4953 n	0,2197 n	0,5088 n	1,2999	— ∞	—0,05
10	9,4420 n	0,2650 n	0,8066 n	1,2791	8,4362	—0,04
20	9,3849 n	0,3176 n	0,9722 n	1,2426	8,7373	—0,04
30	9,3249 n	0,3710 n	1,0812 n	1,1879	8,9134	—0,04
Febr. 9	9,2632 n	0,4203 n	1,1569 n	1,1095	9,0383	—0,04
19	9,1999 n	0,4624 n	1,2093 n	0,9972	9,1352	—0,04
Mart. 1	9,1344 n	0,4955 n	1,2438 n	0,8269	9,2144	—0,04
11	9,0647 n	0,5191 n	1,2652 n	0,5188	9,2813	—0,05
21	8,9858 n	0,5332 n	1,2690 n	9,2757 n	9,3393	—0,05
31	8,8887 n	0,5382 n	1,2619 n	0,5628 n	9,3905	—0,05
Apr. 10	8,7544 n	0,5353 n	1,2415 n	0,8447 n	9,4362	—0,05
20	8,5342 n	0,5259 n	1,2068 n	1,0048 n	9,4776	—0,05
30	7,9504 n	0,5119 n	1,1556 n	1,1114 n	9,5154	—0,05
Maj. 10	8,2867	0,4959 n	1,0834 n	1,1862 n	9,5502	—0,05
20	8,7037	0,4807 n	0,9822 n	1,2391 n	9,5824	—0,05
30	8,9262	0,4695 n	0,8337 n	1,2751 n	9,6123	—0,05
Jun. 9	9,0800	0,4650 n	0,5866 n	1,2970 n	9,6404	—0,05
19	9,1966	0,4690 n	9,9031 n	1,3061 n	9,6667	—0,05
29	9,2890	0,4821 n	0,3576	1,3032 n	9,6915	—0,04
Jul. 9	9,3639	0,5032 n	0,7237	1,2882 n	9,7150	—0,04
19	9,4252	0,5302 n	0,9119	1,2600 n	9,7373	—0,04
29	9,4757	0,5603 n	1,0340	1,2167 n	9,7585	—0,04
Aug. 8	9,5173	0,5907 n	1,1196	1,1549 n	9,7787	—0,04
18	9,5517	0,6191 n	1,1809	1,0681 n	9,7980	—0,04
28	9,5805	0,6437 n	1,2240	0,9430 n	9,8164	—0,04
Sept. 7	9,6050	0,6632 n	1,2519	0,7466 n	9,8342	—0,04
17	9,6265	0,6768 n	1,2664	0,3453 n	9,8512	—0,04
27	9,6464	0,6842 n	1,2683	0,0912	9,8676	—0,04
Oct. 7	9,6657	0,6855 n	1,2572	0,6688	9,8834	—0,05
17	9,6854	0,6813 n	1,2325	0,9019	9,8986	—0,05
27	9,7062	0,6725 n	1,1920	1,0442	9,9134	—0,05
Nov. 6	9,7284	0,6608 n	1,1323	1,1413	9,9276	—0,05
16	9,7520	0,6482 n	1,0469	1,2098	9,9414	—0,05
26	9,7767	0,6371 n	0,9225	1,2573	9,9547	—0,04
Dec. 6	9,8019	0,6300 n	0,7261	1,2879	9,9677	—0,04
16	9,8269	0,6288 n	0,3232	1,3037	9,9803	—0,04
26	9,8510	0,6347 n	0,0736 n	1,3056	9,9925	—0,04
36	9,8736	0,6475 n	0,6478 n	1,2938	0,0044	—0,04

Tabula VIII.

1836.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 1	9,4259 n	0,6420 n	0,5088 n	1,2999	— ∞	— 0,04
11	9,3608 n	0,6585 n	0,8066 n	1,2791	8,4362	— 0,04
21	9,2889 n	0,6795 n	0,9722 n	1,2427	8,7373	— 0,04
31	9,2105 n	0,7024 n	1,0812 n	1,1879	8,9134	— 0,04
Febr. 10	9,1254 n	0,7251 n	1,1569 n	1,1095	9,0383	— 0,04
20	9,0323 n	0,7454 n	1,2093 n	0,9972	9,1352	— 0,04
Mart. 1	8,9277 n	0,7621 n	1,2438 n	0,8269	9,2144	— 0,04
11	8,8032 n	0,7740 n	1,2632 n	0,5188	9,2813	— 0,04
21	8,6576 n	0,7809 n	1,2690 n	9,2756 n	9,3393	— 0,04
31	8,3644 n	0,7828 n	1,2619 n	0,5628 n	9,3905	— 0,04
Apr. 10	7,2330 n	0,7802 n	1,2415 n	0,8447 n	9,4362	— 0,04
20	8,3379	0,7738 n	1,2068 n	1,0048 n	9,4776	— 0,04
30	8,6805	0,7649 n	1,1556 n	1,1114 n	9,5154	— 0,04
Maj. 10	8,8866	0,7549 n	1,0834 n	1,1862 n	9,5502	— 0,04
20	9,0377	0,7455 n	0,9822 n	1,2391 n	9,5824	— 0,04
30	9,1576	0,7383 n	0,8337 n	1,2751 n	9,6123	— 0,04
Jun. 9	9,2563	0,7346 n	0,5865 n	1,2970 n	9,6404	— 0,04
19	9,3390	0,7356 n	9,9030 n	1,3061 n	9,6667	— 0,04
29	9,4069	0,7416 n	0,3576	1,3032 n	9,6915	— 0,03
Jul. 9	9,4681	0,7521 n	0,7257	1,2882 n	9,7150	— 0,03
19	9,5181	0,7663 n	0,9119	1,2600 n	9,7373	— 0,03
29	9,5603	0,7829 n	1,0340	1,2167 n	9,7585	— 0,03
Aug. 8	9,5957	0,8003 n	1,1196	1,1549 n	9,7787	— 0,03
18	9,6255	0,8169 n	1,1810	1,0681 n	9,7980	— 0,03
28	9,6506	0,8316 n	1,2240	0,9430 n	9,8164	— 0,03
Sept. 7	9,6723	0,8433 n	1,2519	0,7466 n	9,8342	— 0,03
17	9,6915	0,8513 n	1,2664	0,3452 n	9,8512	— 0,03
27	9,7093	0,8553 n	1,2683	0,0912	9,8676	— 0,03
Oct. 7	9,7266	0,8551 n	1,2572	0,6688	9,8834	— 0,03
17	9,7444	0,8511 n	1,2325	0,9019	9,8986	— 0,03
27	9,7632	0,8441 n	1,1920	1,0442	9,9134	— 0,04
Nov. 6	9,7833	0,8352 n	1,1323	1,1413	9,9276	— 0,04
16	9,8046	0,8256 n	1,0469	1,2098	9,9414	— 0,03
26	9,8271	0,8170 n	0,9225	1,2573	9,9547	— 0,03
Dec. 6	9,8500	0,8111 n	0,7261	1,2879	9,9677	— 0,03
16	9,8729	0,8091 n	0,3232	1,3037	9,9803	— 0,03
26	9,8950	0,8117 n	0,0735 n	1,3056	9,9925	— 0,03
36	9,9159	0,8191 n	0,6472 n	1,2988	0,0044	— 0,03

Tabula VIII.

1837.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,2799 n	0,8158 n	0,5088 n	1,2999	— ∞	—0,03
10	9,1837 n	0,8257 n	0,8066 n	1,2791	8,4362	—0,03
20	9,0681 n	0,8388 n	0,9722 n	1,2427	8,7378	—0,03
30	8,9250 n	0,8537 n	1,0812 n	1,1879	8,9134	—0,02
Febr. 9	8,7366 n	0,8687 n	1,1569 n	1,1095	9,0383	—0,02
19	8,4484 n	0,8823 n	1,2093 n	0,9972	9,1352	—0,02
Mart. 1	7,6405 n	0,8934 n	1,2438 n	0,8269	9,2144	—0,02
11	8,2403	0,9012 n	1,2632 n	0,5188	9,2813	—0,03
21	8,5821	0,9053 n	1,2690 n	9,2754 n	9,3393	—0,03
31	8,7718	0,9056 n	1,2619 n	0,5628 n	9,3905	—0,03
Apr. 10	8,9096	0,9025 n	1,2415 n	0,8447 n	9,4362	—0,03
20	9,0225	0,8966 n	1,2068 n	1,0048 n	9,4776	—0,03
30	9,1210	0,8887 n	1,1556 n	1,1114 n	9,5154	—0,03
Maj. 10	9,2091	0,8800 n	1,0834 n	1,1862 n	9,5502	—0,03
20	9,2889	0,8717 n	0,9822 n	1,2391 n	9,5824	—0,03
30	9,3613	0,8651 n	0,8337 n	1,2751 n	9,6123	—0,03
Jun. 9	9,4266	0,8611 n	0,5865 n	1,2970 n	9,6404	—0,02
19	9,4850	0,8605 n	9,9029 n	1,3061 n	9,6667	—0,02
29	9,5368	0,8637 n	0,3576	1,3032 n	9,6915	—0,02
Jul. 9	9,5823	0,8704 n	0,7237	1,2882 n	9,7150	—0,02
19	9,6219	0,8801 n	0,9119	1,2600 n	9,7373	—0,02
29	9,6560	0,8916 n	1,0340	1,2167 n	9,7585	—0,02
Aug. 8	9,6851	0,9040 n	1,1196	1,1549 n	9,7787	—0,02
18	9,7099	0,9160 n	1,1810	1,0681 n	9,7980	—0,02
28	9,7312	0,9266 n	1,2240	0,9430 n	9,8164	—0,02
Sept. 7	9,7497	0,9349 n	1,2519	0,7466 n	9,8342	—0,02
17	9,7662	0,9403 n	1,2664	0,3452 n	9,8512	—0,02
27	9,7816	0,9424 n	1,2683	0,0912	9,8676	—0,02
Oct. 7	9,7967	0,9411 n	1,2572	0,6688	9,8834	—0,02
17	9,8122	0,9367 n	1,2325	0,9019	9,8986	—0,02
27	9,8287	0,9298 n	1,1920	1,0442	9,9134	—0,02
Nov. 6	9,8463	0,9212 n	1,1323	1,1413	9,9276	—0,02
16	9,8651	0,9121 n	1,0469	1,2098	9,9414	—0,02
26	9,8850	0,9038 n	0,9226	1,2573	9,9547	—0,02
Dec. 6	9,9054	0,8977 n	0,7261	1,2879	9,9677	—0,02
16	9,9258	0,8947 n	0,3252	1,3037	9,9803	—0,02
26	9,9457	0,8956 n	0,0734 n	1,3056	9,9925	—0,01
36	9,9645	0,9003 n	0,6472 n	1,2938	0,0044	—0,01

Tabula VIII.

1838.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 0	8,9688 *n*	0,8981 *n*	0,5087 *n*	1,2999	— ∞	—0,01
10	8,7389 *n*	0,9051 *n*	0,8065 *n*	1,2791	8,4362	—0,01
20	8,2714 *n*	0,9148 *n*	0,9722 *n*	1,2427	8,7373	—0,01
30	8,1635	0,9260 *n*	1,0612 *n*	1,1879	8,9134	—0,01
Febr. 9	8,6493	0,9375 *n*	1,1568 *n*	1,1095	9,0383	—0,01
19	8,8541	0,9479 *n*	1,2093 *n*	0,9972	9,1352	—0,01
Mart. 1	8,9803	0,9563 *n*	1,2438 *n*	0,8269	9,2144	—0,01
11	9,0709	0,9619 *n*	1,2632 *n*	0,5188	9,2813	—0,01
21	9,1428	0,9643 *n*	1,2690 *n*	9,2758 *n*	9,3393	—0,01
31	9,2047	0,9681 *n*	1,2619 *n*	0,5628 *n*	9,3905	—0,01
Apr. 10	9,2616	0,9595 *n*	1,2415 *n*	0,8447 *n*	9,4362	—0,01
20	9,3162	0,9531 *n*	1,2068 *n*	1,0048 *n*	9,4776	—0,01
30	9,3697	0,9450 *n*	1,1556 *n*	1,1114 *n*	9,5154	—0,01
Maj. 10	9,4222	0,9361 *n*	1,0884 *n*	1,1862 *n*	9,5502	—0,01
20	9,4735	0,9276 *n*	0,9822 *n*	1,2391 *n*	9,5824	—0,01
30	9,5224	0,9204 *n*	0,8337 *n*	1,2751 *n*	9,6123	—0,01
Jun. 9	9,5689	0,9156 *n*	0,5865 *n*	1,2970 *n*	9,6404	—0,01
19	9,6121	0,9137 *n*	9,9028 *n*	1,3061 *n*	9,6667	—0,01
29	9,6516	0,9152 *n*	0,3577	1,3032 *n*	9,6915	—0,01
Jul. 9	9,6872	0,9198 *n*	0,7257	1,2882 *n*	9,7150	—0,01
19	9,7188	0,9271 *n*	0,9119	1,2600 *n*	9,7373	0,00
29	9,7465	0,9362 *n*	1,0340	1,2167 *n*	9,7585	0,00
Aug. 8	9,7705	0,9462 *n*	1,1196	1,1549 *n*	9,7787	0,00
18	9,7912	0,9558 *n*	1,1810	1,0681 *n*	9,7980	0,00
28	9,8091	0,9643 *n*	1,2240	0,9430 *n*	9,8164	0,00
Sept. 7	9,8247	0,9707 *n*	1,2519	0,7466 *n*	9,8342	0,00
17	9,8388	0,9744 *n*	1,2664	0,3452 *n*	9,8512	0,00
27	9,8520	0,9752 *n*	1,2683	0,0912	9,8676	0,00
Oct. 7	9,8650	0,9727 *n*	1,2572	0,6688	9,8834	0,00
17	9,8784	0,9674 *n*	1,2325	0,9019	9,8986	—0,01
27	9,8927	0,9598 *n*	1,1920	1,0442	9,9134	—0,01
Nov. 6	9,9080	0,9505 *n*	1,1323	1,1413	9,9276	—0,01
16	9,9245	0,9407 *n*	1,0469	1,2098	9,9414	0,00
26	9,9419	0,9316 *n*	0,9226	1,2573	9,9547	0,00
Dec. 6	9,9600	0,9245 *n*	0,7262	1,2879	9,9677	0,00
16	9,9781	0,9203 *n*	0,3233	1,3037	9,9803	0,00
26	9,9959	0,9198 *n*	0,0734 *n*	1,3056	9,9925	0,00
36	0,0127	0,9229 *n*	0,6472 *n*	1,2938	0,0044	0,00

Tabula VIII.

1839.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. r	*E*
Jan. 0	8,1793	0,9213 n	0,5087 n	1,2999	— ∞	0,00
10	8,7282	0,9266 n	0,8065 n	1,2791	8,4362	0,00
20	8,9530	0,9344 n	0,9722 n	1,2427	8,7373	+ 0,01
30	9,0904	0,9439 n	1,0812 n	1,1879	8,9134	+ 0,01
Febr. 9	9,1854	0,9536 n	1,1568 n	1,1095	9,0383	+ 0,01
19	9,2558	0,9625 n	1,2093 n	0,9972	9,1352	+ 0,01
Mart. 1	9,3105	0,9693 n	1,2438 n	0,8269	9,2144	+ 0,01
11	9,3554	0,9735 n	1,2632 n	0,5188	9,2813	+ 0,01
21	9,3943	0,9746 n	1,2690 n	9,2752 n	9,3393	0,00
31	9,4302	0,9725 n	1,2619 n	0,5628 n	9,3905	0,00
Apr. 10	9,4651	0,9675 n	1,2415 n	0,8447 n	9,4362	0,00
20	9,5001	0,9599 n	1,2068 n	1,0048 n	9,4776	0,00
30	9,5359	0,9506 n	1,1556 n	1,1114 n	9,5154	0,00
Maj. 10	9,5724	0,9405 n	1,0832 n	1,1862 n	9,5502	0,00
20	9,6092	0,9307 n	0,9822 n	1,2391 n	9,5824	0,00
30	9,6457	0,9222 n	0,8337 n	1,2751 n	9,6123	+ 0,01
Jun. 9	9,6811	0,9160 n	0,5865 n	1,2970 n	9,6404	+ 0,01
19	9,7148	0,9127 n	9,9027 n	1,3061 n	9,6667	+ 0,01
29	9,7463	0,9128 n	0,3577	1,3032 n	9,6915	+ 0,01
Jul. 9	9,7752	0,9160 n	0,7238	1,2882 n	9,7150	+ 0,01
19	9,8011	0,9220 n	0,9119	1,2600 n	9,7373	+ 0,01
29	9,8241	0,9299 n	1,0340	1,2167 n	9,7585	+ 0,01
Aug. 8	9,8443	0,9386 n	1,1196	1,1549 n	9,7787	+ 0,01
18	9,8618	0,9471 n	1,1810	1,0681 n	9,7980	+ 0,01
28	9,8770	0,9545 n	1,2240	0,9430 n	9,8164	+ 0,01
Sept. 7	9,8904	0,9598 n	1,2519	0,7466 n	9,8342	+ 0,01
17	9,9024	0,9623 n	1,2665	0,3452 n	9,8512	+ 0,01
27	9,9138	0,9618 n	1,2683	0,0912	9,8676	+ 0,01
Oct. 7	9,9251	0,9581 n	1,2572	0,6688	9,8834	+ 0,01
17	9,9367	0,9513 n	1,2325	0,9019	9,8986	+ 0,01
27	9,9492	0,9420 n	1,1920	1,0442	9,9134	+ 0,01
Nov. 6	9,9626	0,9310 n	1,1323	1,1413	9,9276	+ 0,01
16	9,9771	0,9194 n	1,0469	1,2098	9,9414	+ 0,01
26	9,9926	0,9084 n	0,9226	1,2573	9,9547	+ 0,01
Dec. 6	0,0086	0,8994 n	0,7262	1,2879	9,9677	+ 0,01
16	0,0248	0,8936 n	0,3233	1,3037	9,9803	+ 0,01
26	0,0407	0,8915 n	0,0733 n	1,3056	9,9925	+ 0,02
36	0,0558	0,8934 n	0,6472 n	1,2938	0,0044	+ 0,02

Tabula VIII.

1840.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. r	*E*
Jan. 1	9,0886	0,8922 n	0,5087 n	1,2999	— ∞	+ 0,02
11	9,2064	0,8964 n	0,8065 n	1,2791	8,4362	+ 0,02
21	9,2943	0,9034 n	0,9722 n	1,2427	8,7373	+ 0,02
31	9,3619	0,9122 n	1,0812 n	1,1879	8,9134	+ 0,02
Febr. 10	9,4150	0,9213 n	1,1568 n	1,1095	9,0383	+ 0,02
20	9,4575	0,9295 n	1,2093 n	0,9972	9,1352	+ 0,02
Mart. 1	9,4924	0,9356 n	1,2438 n	0,8269	9,2144	+ 0,02
11	9,5221	0,9388 n	1,2632 n	0,5189	9,2813	+ 0,02
21	9,5488	0,9387 n	1,2690 n	9,2751 n	9,3393	+ 0,02
31	9,5739	0,9351 n	1,2619 n	0,5628 n	9,3905	+ 0,02
Apr. 10	9,5990	0,9282 n	1,2415 n	0,8447 n	9,4362	+ 0,02
20	9,6247	0,9186 n	1,2068 n	1,0048 n	9,4776	+ 0,02
30	9,6516	0,9070 n	1,1556 n	1,1114 n	9,5154	+ 0,02
Maj. 10	9,6796	0,8944 n	1,0854 n	1,1862 n	9,5502	+ 0,02
20	9,7088	0,8820 n	0,9822 n	1,2391 n	9,5824	+ 0,02
30	9,7374	0,8710 n	0,8337 n	1,2751 n	9,6123	+ 0,02
Jun. 9	9,7661	0,8625 n	0,5865 n	1,2970 n	9,6404	+ 0,02
19	9,7938	0,8573 n	9,9026 n	1,3061 n	9,6667	+ 0,02
29	9,8200	0,8558 n	0,3577	1,3032 n	9,6915	+ 0,02
Jul. 9	9,8442	0,8580 n	0,7238	1,2882 n	9,7150	+ 0,03
19	9,8663	0,8638 n	0,9119	1,2600 n	9,7373	+ 0,03
29	9,8860	0,8709 n	1,0340	1,2167 n	9,7585	+ 0,03
Aug. 8	9,9033	0,8794 n	1,1196	1,1549 n	9,7787	+ 0,03
18	9,9184	0,8878 n	1,1810	1,0681 n	9,7980	+ 0,03
28	9,9316	0,8948 n	1,2240	0,9430 n	9,8164	+ 0,03
Sept. 7	9,9432	0,8995 n	1,2519	0,7466 n	9,8342	+ 0,03
17	9,9537	0,9011 n	1,2665	0,3452 n	9,8512	+ 0,03
27	9,9637	0,8992 n	1,2683	0,0912	9,8676	+ 0,03
Oct. 7	9,9736	0,8935 n	1,2572	0,6688	9,8834	+ 0,03
17	9,9838	0,8843 n	1,2325	0,9019	9,8986	+ 0,03
27	9,9948	0,8720 n	1,1920	1,0442	9,9134	+ 0,03
Nov. 6	0,0067	0,8576 n	1,1323	1,1413	9,9276	+ 0,03
16	0,0197	0,8423 n	1,0469	1,2098	9,9414	+ 0,03
26	0,0335	0,8276 n	0,9226	1,2573	9,9547	+ 0,03
Dec. 6	0,0479	0,8152 n	0,7262	1,2879	9,9677	+ 0,03
16	0,0626	0,8064 n	0,3234	1,3037	9,9803	+ 0,03
26	0,0770	0,8023 n	0,0732 n	1,3056	9,9925	+ 0,03
36	0,0908	0,8030 n	0,6472 n	1,2938	0,0044	+ 0,03

Tabula VIII.

1841.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,3389	0,8022 n	0,5087 n	1,2999	— ∞	+ 0,03
10	9,4081	0,8057 n	0,8065 n	1,2791	8,4362	+ 0,03
20	9,4647	0,8128 n	0,9722 n	1,2427	8,7573	+ 0,03
30	9,5108	0,8220 n	1,0812 n	1,1879	8,9134	+ 0,03
Febr. 9	9,5486	0,8318 n	1,1568 n	1,1095	9,0383	+ 0,04
19	9,5797	0,8403 n	1,2093 n	0,9972	9,1852	+ 0,04
Mart. 1	9,6057	0,8464 n	1,2438 n	0,8269	9,2144	+ 0,03
11	9,6282	0,8489 n	1,2632 n	0,5189	9,2813	+ 0,03
21	9,6487	0,8474 n	1,2690 n	9,2750 n	9,3393	+ 0,03
31	9,6683	0,8416 n	1,2619 n	0,5628 n	9,3905	+ 0,03
Apr. 10	9,6881	0,8316 n	1,2415 n	0,8447 n	9,4362	+ 0,03
20	9,7087	0,8181 n	1,2068 n	1,0048 n	9,4776	+ 0,03
30	9,7305	0,8019 n	1,1556 n	1,1114 n	9,5154	+ 0,03
Maj. 10	9,7535	0,7843 n	1,0854 n	1,1862 n	9,5502	+ 0,03
20	9,7775	0,7666 n	0,9822 n	1,2391 n	9,5824	+ 0,03
30	9,8020	0,7505 n	0,8337 n	1,2751 n	9,6123	+ 0,03
Jun. 9	9,8264	0,7375 n	0,5865 n	1,2970 n	9,6404	+ 0,03
19	9,8503	0,7288 n	9,9025 n	1,3061 n	9,6667	+ 0,04
29	9,8730	0,7251 n	0,3578	1,3032 n	9,6915	+ 0,04
Jul. 9	9,8942	0,7264 n	0,7258	1,2882 n	9,7150	+ 0,04
19	9,9136	0,7319 n	0,9119	1,2599 n	9,7373	+ 0,04
29	9,9309	0,7404 n	1,0340	1,2167 n	9,7585	+ 0,04
Aug. 8	9,9463	0,7503 n	1,1196	1,1549 n	9,7787	+ 0,04
18	9,9597	0,7600 n	1,1810	1,0681 n	9,7980	+ 0,04
28	9,9714	0,7679 n	1,2240	0,9430 n	9,8164	+ 0,04
Sept. 7	9,9817	0,7727 n	1,2519	0,7466 n	9,8342	+ 0,04
17	9,9911	0,7734 n	1,2665	0,3452 n	9,8512	+ 0,04
27	9,9999	0,7693 n	1,2683	0,0912	9,8676	+ 0,04
Oct. 7	0,0087	0,7601 n	1,2572	0,6688	9,8834	+ 0,04
17	0,0179	0,7460 n	1,2325	0,9019	9,8986	+ 0,04
27	0,0278	0,7274 n	1,1920	1,0442	9,9134	+ 0,04
Nov. 6	0,0386	0,7055 n	1,1323	1,1413	9,9276	+ 0,04
16	0,0504	0,6819 n	1,0470	1,2098	9,9414	+ 0,04
26	0,0630	0,6588 n	0,9226	1,2573	9,9547	+ 0,04
Dec. 6	0,0762	0,6385 n	0,7262	1,2879	9,9677	+ 0,04
16	0,0897	0,6233 n	0,3234	1,3037	9,9803	+ 0,04
26	0,1030	0,6150 n	0,0732 n	1,3056	9,9925	+ 0,04
36	0,1158	0,6142 n	0,6472 n	1,2938	0,0044	+ 0,04

Tabula VIII.

1842.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 0	9,4646	0,6137 n	0,5086 n	1,2999	— ∞	+ 0,04
10	9,5165	0,6171 n	0,8065 n	1,2791	8,4362	+ 0,04
20	9,5603	0,6262 n	0,9722 n	1,2427	8,7373	+ 0,05
30	9,5969	0,6386 n	1,0812 n	1,1879	8,9134	+ 0,05
Febr. 9	9,6273	0,6516 n	1,1568 n	1,1095	9,0383	+ 0,05
19	9,6526	0,6629 n	1,2093 n	0,9972	9,1352	+ 0,05
Mart. 1	9,6740	0,6704 n	1,2438 n	0,8269	9,2144	+ 0,05
11	9,6927	0,6726 n	1,2632 n	0,5189	9,2813	+ 0,04
21	9,7097	0,6688 n	1,2690 n	9,2748 n	9,3393	+ 0,04
31	9,7261	0,6583 n	1,2619 n	0,5628 n	9,3905	+ 0,04
Apr. 10	9,7429	0,6415 n	1,2415 n	0,8447 n	9,4362	+ 0,04
20	9,7605	0,6186 n	1,2068 n	1,0048 n	9,4776	+ 0,04
30	9,7793	0,5909 n	1,1556 n	1,1114 n	9,5154	+ 0,04
Maj. 10	9,7994	0,5599 n	1,0834 n	1,1862 n	9,5502	+ 0,04
20	9,8205	0,5279 n	0,9821 n	1,2391 n	9,5824	+ 0,04
30	9,8422	0,4974 n	0,8337 n	1,2751 n	9,6123	+ 0,04
Jun. 9	9,8641	0,4716 n	0,5864 n	1,2970 n	9,6404	+ 0,04
19	9,8855	0,4532 n	9,9024 n	1,3061 n	9,6667	+ 0,04
29	9,9061	0,4438 n	0,3578	1,3032 n	9,6915	+ 0,05
Jul. 9	9,9253	0,4438 n	0,7238	1,2882 n	9,7150	+ 0,05
19	9,9429	0,4521 n	0,9119	1,2599 n	9,7373	+ 0,05
29	9,9588	0,4661 n	1,0340	1,2167 n	9,7585	+ 0,05
Aug. 8	9,9728	0,4825 n	1,1196	1,1549 n	9,7787	+ 0,05
18	9,9850	0,4984 n	1,1810	1,0681 n	9,7980	+ 0,05
28	9,9957	0,5109 n	1,2240	0,9429 n	9,8164	+ 0,05
Sept. 7	0,0051	0,5177 n	1,2519	0,7466 n	9,8342	+ 0,05
17	0,0136	0,5172 n	1,2665	0,3452 n	9,8512	+ 0,05
27	0,0216	0,5081 n	1,2683	0,0912	9,8676	+ 0,05
Oct. 7	0,0297	0,4894 n	1,2572	0,6688	9,8834	+ 0,04
17	0,0380	0,4607 n	1,2325	0,9019	9,8986	+ 0,04
27	0,0471	0,4222 n	1,1920	1,0442	9,9134	+ 0,04
Nov. 6	0,0571	0,3745 n	1,1323	1,1413	9,9276	+ 0,04
16	0,0681	0,3198 n	1,0470	1,2098	9,9414	+ 0,04
26	0,0799	0,2617 n	0,9226	1,2573	9,9547	+ 0,04
Dec. 6	0,0923	0,2060 n	0,7262	1,2879	9,9677	+ 0,05
16	0,1050	0,1604 n	0,3234	1,3037	9,9803	+ 0,05
26	0,1175	0,1324 n	0,0731 n	1,3056	9,9925	+ 0,05
36	0,1296	0,1262 n	0,6471 n	1,2938	0,0044	+ 0,05

Tabula VIII.

1843.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,5237	0,1260 *n*	0,5086 *n*	1,2999	— ∞	+ 0,05
10	9,5683	0,1331 *n*	0,8065 *n*	1,2791	8,4362	+ 0,05
20	9,6063	0,1570 *n*	0,9722 *n*	1,2427	8,7373	+ 0,05
30	9,6384	0,1896 *n*	1,0812 *n*	1,1879	8,9134	+ 0,05
Febr. 9	9,6653	0,2227 *n*	1,1568 *n*	1,1095	9,0383	+ 0,05
19	9,6877	0,2499 *n*	1,2093 *n*	0,9972	9,1352	+ 0,05
Mart. 1	9,7067	0,2668 *n*	1,2438 *n*	0,8269	9,2144	+ 0,05
11	9,7232	0,2703 *n*	1,2632 *n*	0,5189	9,2813	+ 0,05
21	9,7384	0,2583 *n*	1,2690 *n*	9,2747 *n*	9,3393	+ 0,05
31	9,7530	0,2287 *n*	1,2619 *n*	0,5628 *n*	9,3905	+ 0,05
Apr. 10	9,7681	0,1792 *n*	1,2415 *n*	0,8447 *n*	9,4362	+ 0,05
20	9,7840	0,1066 *n*	1,2068 *n*	1,0048 *n*	9,4776	+ 0,04
30	9,8012	0,0057 *n*	1,1556 *n*	1,1114 *n*	9,5154	+ 0,04
Maj. 10	9,8197	9,8672 *n*	1,0834 *n*	1,1862 *n*	9,5502	+ 0,04
20	9,8392	9,6725 *n*	0,9821 *n*	1,2591 *n*	9,5824	+ 0,04
30	9,8595	9,3946 *n*	0,8337 *n*	1,2751 *n*	9,6123	+ 0,05
Jun. 9	9,8799	8,6646 *n*	0,5864 *n*	1,2970 *n*	9,6404	+ 0,05
19	9,9001	8,9252	9,9023 *n*	1,3061 *n*	9,6667	+ 0,05
29	9,9194	9,1804	0,3578	1,3032 *n*	9,6915	+ 0,05
Jul. 9	9,9376	9,1970	0,7238	1,2882 *n*	9,7150	+ 0,05
19	9,9543	9,0426	0,9119	1,2599 *n*	9,7373	+ 0,05
29	9,9693	8,3809	1,0340	1,2167 *n*	9,7585	+ 0,05
Aug. 8	9,9825	8,9199 *n*	1,1196	1,1549 *n*	9,7787	+ 0,05
18	9,9940	9,2801 *n*	1,1810	1,0681 *n*	9,7980	+ 0,05
28	0,0041	9,4436 *n*	1,2240	0,9429 *n*	9,8164	+ 0,05
Sept. 7	0,0128	9,5103 *n*	1,2519	0,7466 *n*	9,8342	+ 0,05
17	0,0208	9,4986 *n*	1,2665	0,3451 *n*	9,8512	+ 0,05
27	0,0283	9,3838 *n*	1,2683	0,0913	9,8676	+ 0,05
Oct. 7	0,0358	9,0087 *n*	1,2572	0,6688	9,8834	+ 0,05
17	0,0436	8,9962	1,2325	0,9019	9,8986	+ 0,05
27	0,0522	9,5421	1,1920	1,0442	9,9134	+ 0,04
Nov. 6	0,0617	9,7969	1,1324	1,1413	9,9276	+ 0,04
16	0,0722	9,9591	1,0470	1,2098	9,9414	+ 0,04
26	0,0835	0,0699	0,9226	1,2573	9,9547	+ 0,04
Dec. 6	0,0955	0,1453	0,7262	1,2879	9,9677	+ 0,05
16	0,1077	0,1932	0,3235	1,3037	9,9803	+ 0,05
26	0,1199	0,2183	0,0730 *n*	1,3057	9,9925	+ 0,05
36	0,1315	0,2238	0,6471 *n*	1,2938	0,0044	+ 0,05

Tabula VIII.

1844.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 1	9,5319	0,2238	0,5086 *n*	1,2999	— ∞	+ 0,05
11	9,5745	0,2185	0,8065 *n*	1,2791	8,4362	+ 0,05
21	9,6109	0,1982	0,9722 *n*	1,2427	8,7373	+ 0,05
31	9,6417	0,1667	1,0812 *n*	1,1879	8,9134	+ 0,05
Febr. 10	9,6674	0,1292	1,1568 *n*	1,1095	9,0383	+ 0,05
20	9,6888	0,0933	1,2093 *n*	0,9972	9,1352	+ 0,05
Mart. 1	9,7068	0,0680	1,2438 *n*	0,8269	9,2144	+ 0,05
11	9,7225	0,0625	1,2632 *n*	0,5189	9,2813	+ 0,05
21	9,7369	0,0813	1,2690 *n*	9,2746 *n*	9,3393	+ 0,05
31	9,7508	0,1222	1,2619 *n*	0,5628 *n*	9,3905	+ 0,05
Apr. 10	9,7651	0,1781	1,2415 *n*	0,8447 *n*	9,4362	+ 0,04
20	9,7805	0,2402	1,2068 *n*	1,0048 *n*	9,4776	+ 0,04
30	9,7971	0,3017	1,1556 *n*	1,1114 *n*	9,5154	+ 0,04
Maj. 10	9,8150	0,3576	1,0834 *n*	1,1862 *n*	9,5502	+ 0,04
20	9,8341	0,4053	0,9821 *n*	1,2392 *n*	9,5824	+ 0,04
30	9,8539	0,4435	0,8337 *n*	1,2751 *n*	9,6123	+ 0,04
Jun. 9	9,8740	0,4718	0,5864 *n*	1,2970 *n*	9,6404	+ 0,04
19	9,8939	0,4902	9,9022 *n*	1,3061 *n*	9,6667	+ 0,05
29	9,9130	0,4992	0,3579	1,3032 *n*	9,6915	+ 0,05
Jul. 9	9,9309	0,4996	0,7238	1,2882 *n*	9,7150	+ 0,05
19	9,9473	0,4927	0,9120	1,2599 *n*	9,7373	+ 0,05
29	9,9621	0,4800	1,0340	1,2167 *n*	9,7585	+ 0,05
Aug. 8	9,9750	0,4637	1,1197	1,1549 *n*	9,7787	+ 0,05
18	9,9863	0,4468	1,1810	1,0681 *n*	9,7980	+ 0,05
28	9,9960	0,4325	1,2240	0,9429 *n*	9,8164	+ 0,05
Sept. 7	0,0046	0,4242	1,2519	0,7466 *n*	9,8342	+ 0,05
17	0,0122	0,4249	1,2665	0,3451 *n*	9,8512	+ 0,05
27	0,0194	0,4359	1,2683	0,0913	9,8676	+ 0,04
Oct. 7	0,0266	0,4569	1,2572	0,6688	9,8834	+ 0,04
17	0,0343	0,4856	1,2325	0,9019	9,8986	+ 0,04
27	0,0426	0,5189	1,1920	1,0442	9,9134	+ 0,04
Nov. 6	0,0520	0,5533	1,1324	1,1413	9,9276	+ 0,04
16	0,0623	0,5857	1,0470	1,2098	9,9414	+ 0,04
26	0,0735	0,6139	0,9226	1,2573	9,9547	+ 0,04
Dec. 6	0,0853	0,6362	0,7262	1,2879	9,9677	+ 0,04
16	0,0975	0,6515	0,3235	1,3037	9,9803	+ 0,04
26	0,1096	0,6597	0,0730 *n*	1,3057	9,9925	+ 0,04
36	0,1212	0,6610	0,6471 *n*	1,2988	0,0044	+ 0,04

Tabula VIII.

1845.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. r	*E*
Jan. 0	9,4399	0,6613	0,5086 n	1,2999	— ∞	+ 0,04
10	9,5353	0,6587	0,8065 n	1,2791	8,4362	+ 0,04
20	9,5739	0,6507	0,9721 n	1,2427	8,7373	+ 0,04
30	9,6062	0,6390	1,0812 n	1,1879	8,9134	+ 0,04
Febr. 9	9,6330	0,6259	1,1568 n	1,1095	9,0383	+ 0,04
19	9,6552	0,6138	1,2093 n	0,9972	9,1352	+ 0,04
Mart. 1	9,6737	0,6054	1,2438 n	0,8270	9,2144	+ 0,04
11	9,6897	0,6028	1,2632 n	0,5189	9,2813	+ 0,04
21	9,7043	0,6073	1,2690 n	9,2745 n	9,3393	+ 0,04
31	9,7185	0,6189	1,2619 n	0,5628 n	9,3905	+ 0,04
Apr. 10	9,7331	0,6365	1,2415 n	0,8447 n	9,4362	+ 0,04
20	9,7488	0,6582	1,2068 n	1,0048 n	9,4776	+ 0,04
30	9,7659	0,6818	1,1556 n	1,1114 n	9,5154	+ 0,04
Maj. 10	9,7845	0,7051	1,0834 n	1,1862 n	9,5502	+ 0,04
20	9,8043	0,7263	0,9821 n	1,2392 n	9,5824	+ 0,04
30	9,8249	0,7441	0,8337 n	1,2751 n	9,6123	+ 0,04
Jun. 9	9,8457	0,7576	0,5864 n	1,2970 n	9,6404	+ 0,04
19	9,8663	0,7663	9,9021 n	1,3061 n	9,6667	+ 0,04
29	9,8861	0,7702	0,3579	1,3032 n	9,6915	+ 0,04
Jul. 9	9,9046	0,7696	0,7238	1,2882 n	9,7150	+ 0,04
19	9,9215	0,7649	0,9120	1,2599 n	9,7373	+ 0,04
29	9,9367	0,7573	1,0340	1,2167 n	9,7585	+ 0,04
Aug. 8	9,9499	0,7478	1,1197	1,1549 n	9,7787	+ 0,04
18	9,9614	0,7380	1,1810	1,0681 n	9,7980	+ 0,04
28	9,9713	0,7297	1,2240	0,9429 n	9,8164	+ 0,04
Sept. 7	9,9799	0,7244	1,2519	0,7466 n	9,8342	+ 0,04
17	9,9876	0,7236	1,2665	0,3451 n	9,8512	+ 0,04
27	9,9948	0,7281	1,2683	0,0913	9,8676	+ 0,04
Oct. 7	0,0020	0,7379	1,2572	0,6688	9,8834	+ 0,03
17	0,0097	0,7519	1,2325	0,9019	9,8986	+ 0,03
27	0,0182	0,7692	1,1920	1,0442	9,9134	+ 0,03
Nov. 6	0,0277	0,7878	1,1324	1,1413	9,9276	+ 0,03
16	0,0382	0,8060	1,0470	1,2098	9,9414	+ 0,03
26	0,0497	0,8222	0,9226	1,2573	9,9547	+ 0,03
Dec. 6	0,0619	0,8351	0,7262	1,2879	9,9677	+ 0,03
16	0,0744	0,8439	0,3235	1,3037	9,9803	+ 0,03
26	0,0868	0,8482	0,0729 n	1,3057	9,9925	+ 0,03
36	0,0988	0,8480	0,6471 n	1,2938	0,0044	+ 0,04

Tabula VIII.

1846.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	9,3850	0,8486	0,5085 n	1,2999	— ∞	+ 0,04
10	9,4406	0,8458	0,8065 n	1,2791	8,4362	+ 0,04
20	9,4869	0,8396	0,9721 n	1,2427	8,7373	+ 0,04
30	9,5250	0,8310	1,0812 n	1,1879	8,9134	+ 0,04
Febr. 9	9,5560	0,8215	1,1568 n	1,1095	9,0383	+ 0,04
19	9,5814	0,8127	1,2093 n	0,9972	9,1352	+ 0,03
Mart. 1	9,6024	0,8062	1,2438 n	0,8270	9,2144	+ 0,03
11	9,6203	0,8034	1,2632 n	0,5189	9,2813	+ 0,03
21	9,6366	0,8050	1,2690 n	9,2743 n	9,3393	+ 0,03
31	9,6523	0,8111	1,2619 n	0,5628 n	9,3905	+ 0,03
Apr. 10	9,6685	0,8213	1,2415 n	0,8447 n	9,4362	+ 0,03
20	9,6860	0,8344	1,2068 n	1,0048 n	9,4776	+ 0,03
30	9,7050	0,8491	1,1556 n	1,1114 n	9,5154	+ 0,03
Maj. 10	9,7256	0,8640	1,0834 n	1,1862 n	9,5502	+ 0,03
20	9,7476	0,8777	0,9821 n	1,2392 n	9,5824	+ 0,02
30	9,7704	0,8892	0,8336 n	1,2751 n	9,6123	+ 0,03
Jun. 9	9,7934	0,8979	0,5864 n	1,2970 n	9,6404	+ 0,03
19	9,8161	0,9031	9,9020 n	1,3061 n	9,6667	+ 0,03
29	9,8377	0,9049	0,3579	1,3032 n	9,6915	+ 0,03
Jul. 9	9,8579	0,9033	0,7239	1,2882 n	9,7150	+ 0,03
19	9,8763	0,8988	0,9120	1,2599 n	9,7373	+ 0,03
29	9,8926	0,8920	1,0340	1,2167 n	9,7585	+ 0,03
Aug. 8	9,9069	0,8839	1,1197	1,1549 n	9,7787	+ 0,03
18	9,9192	0,8756	1,1810	1,0680 n	9,7980	+ 0,03
28	9,9297	0,8683	1,2240	0,9429 n	9,8164	+ 0,03
Sept. 7	9,9388	0,8632	1,2519	0,7465 n	9,8342	+ 0,03
17	9,9469	0,8614	1,2665	0,3451 n	9,8512	+ 0,02
27	9,9545	0,8633	1,2683	0,0913	9,8676	+ 0,02
Oct. 7	9,9621	0,8691	1,2572	0,6688	9,8834	+ 0,02
17	9,9702	0,8784	1,2325	0,9019	9,8986	+ 0,02
27	9,9791	0,8901	1,1920	1,0441	9,9134	+ 0,02
Nov. 6	9,9892	0,9030	1,1324	1,1413	9,9276	+ 0,02
16	0,0004	0,9159	1,0470	1,2098	9,9414	+ 0,02
26	0,0127	0,9273	0,9226	1,2573	9,9547	+ 0,02
Dec. 6	0,0257	0,9363	0,7263	1,2879	9,9677	+ 0,02
16	0,0390	0,9421	0,3236	1,3037	9,9803	+ 0,02
26	0,0522	0,9445	0,0728 n	1,3057	9,9925	+ 0,02
36	0,0649	0,9432	0,6471 n	1,2938	0,0044	+ 0,02

Tabula VIII.

1847.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
						″
Jan. 0	9,1723	0,9440	0,5085 *n*	1,2999	— ∞	+ 0,02
10	9,2583	0,9407	0,8064 *n*	1,2791	8,4362	+ 0,02
20	9,3256	0,9345	0,9721 *n*	1,2427	8,7373	+ 0,02
30	9,3787	0,9264	1,0812 *n*	1,1879	8,9134	+ 0,02
Febr. 9	9,4206	0,9175	1,1568 *n*	1,1096	9,0383	+ 0,02
19	9,4540	0,9091	1,2093 *n*	0,9973	9,1352	+ 0,02
Mart. 1	9,4811	0,9026	1,2438 *n*	0,8270	9,2144	+ 0,02
11	9,5039	0,8990	1,2632 *n*	0,5189	9,2813	+ 0,02
21	9,5243	0,8990	1,2690 *n*	9,2742 *n*	9,3393	+ 0,02
31	9,5439	0,9026	1,2619 *n*	0,5628 *n*	9,3905	+ 0,01
Apr. 10	9,5640	0,9095	1,2415 *n*	0,8447 *n*	9,4362	+ 0,01
20	9,5854	0,9190	1,2068 *n*	1,0048 *n*	9,4776	+ 0,01
30	9,6087	0,9298	1,1556 *n*	1,1114 *n*	9,5154	+ 0,01
Maj. 10	9,6338	0,9409	1,0834 *n*	1,1863 *n*	9,5502	+ 0,01
20	9,6603	0,9512	0,9821 *n*	1,2392 *n*	9,5824	+ 0,01
30	9,6876	0,9597	0,8336 *n*	1,2751 *n*	9,6123	+ 0,01
Jun. 9	9,7149	0,9659	0,5863 *n*	1,2970 *n*	9,6404	+ 0,01
19	9,7415	0,9692	9,9019 *n*	1,3061 *n*	9,6667	+ 0,01
29	9,7668	0,9695	0,3580	1,3032 *n*	9,6915	+ 0,01
Jul. 9	9,7901	0,9669	0,7239	1,2882 *n*	9,7150	+ 0,01
19	9,8112	0,9618	0,9120	1,2599 *n*	9,7373	+ 0,01
29	9,8299	0,9547	1,0340	1,2167 *n*	9,7585	+ 0,01
Aug. 8	9,8461	0,9463	1,1197	1,1549 *n*	9,7787	+ 0,01
18	9,8599	0,9378	1,1810	1,0680 *n*	9,7980	+ 0,01
28	9,8717	0,9301	1,2240	0,9429 *n*	9,8164	+ 0,01
Sept. 7	9,8818	0,9244	1,2519	0,7465 *n*	9,8342	+ 0,01
17	9,8908	0,9213	1,2665	0,3451 *n*	9,8512	+ 0,01
27	9,8992	0,9216	1,2683	0,0913	9,8676	+ 0,01
Oct. 7	9,9077	0,9253	1,2572	0,6688	9,8834	+ 0,01
17	9,9166	0,9321	1,2325	0,9019	9,8986	+ 0,01
27	9,9266	0,9411	1,1920	1,0441	9,9134	0,00
Nov. 6	9,9378	0,9513	1,1324	1,1413	9,9276	0,00
16	9,9453	0,9615	1,0470	1,2098	9,9414	0,00
26	9,9638	0,9705	0,9226	1,2573	9,9547	0,00
Dec. 6	9,9781	0,9774	0,7263	1,2879	9,9677	0,00
16	9,9929	0,9815	0,3236	1,3037	9,9803	0,00
26	0,0074	0,9823	0,0728 *n*	1,3057	9,9925	+ 0,01
36	0,0213	0,9799	0,6471 *n*	1,2938	0,0044	+ 0,01

Tabula VIII.

1848.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. *r*	*E*
Jan. 1	8,5797	0,9812	0,5085 n	1,2999	— ∞	+ 0,01
11	8,8467	0,9768	0,8064 n	1,2791	8,4362	+ 0,01
21	9,0016	0,9698	0,9721 n	1,2427	8,7373	+ 0,01
31	9,1060	0,9610	1,0811 n	1,1879	8,9134	+ 0,01
Febr. 10	9,1808	0,9514	1,1568 n	1,1096	9,0383	+ 0,01
20	9,2611	0,9424	1,2093 n	0,9973	9,1352	+0,01
Mart. 1	9,2799	0,9349	1,2458 n	0,8270	9,2144	0,00
11	9,3153	0,9301	1,2632 n	0,5189	9,2813	0,00
21	9,3459	0,9286	1,2690 n	9,2741 n	9,3393	0,00
31	9,3747	0,9306	1,2619 n	0,5628 n	9,3905	0,00
Apr. 10	9,4087	0,9357	1,2415 n	0,8447 n	9,4362	0,00
20	9,4342	0,9431	1,2068 n	1,0048 n	9,4776	0,00
30	9,4666	0,9520	1,1556 n	1,1114 n	9,5154	— 0,01
Maj. 10	9,5008	0,9612	1,0834 n	1,1863 n	9,5502	— 0,01
20	9,5362	0,9697	0,9821 n	1,2392 n	9,5824	— 0,01
30	9,5720	0,9766	0,8336 n	1,2751 n	9,6123	— 0,01
Jun. 9	9,6072	0,9812	0,5863 n	1,2970 n	9,6404	0,00
19	9,6409	0,9831	9,9019 n	1,3061 n	9,6667	0,00
29	9,6724	0,9821	0,3580	1,3032 n	9,6915	0,00
Jul. 9	9,7012	0,9783	0,7239	1,2882 n	9,7150	0,00
19	9,7268	0,9719	0,9120	1,2599 n	9,7373	0,00
29	9,7493	0,9636	1,0941	1,2167 n	9,7585	0,00
Aug. 8	9,7687	0,9541	1,1197	1,1549 n	9,7787	0,00
18	9,7852	0,9443	1,1810	1,0680 n	9,7980	0,00
28	9,7991	0,9353	1,2240	0,9429 n	9,8164	0,00
Sept. 7	9,8110	0,9281	1,2519	0,7465 n	9,8342	— 0,01
17	9,8216	0,9236	1,2665	0,3451 n	9,8512	— 0,01
27	9,8314	0,9224	1,2683	0,0913	9,8676	— 0,01
Oct. 7	9,8413	0,9246	1,2572	0,6688	9,8834	— 0,01
17	9,8517	0,9299	1,2325	0,9019	9,8986	— 0,01
27	9,8632	0,9375	1,1920	1,0441	9,9134	— 0,01
Nov. 6	9,8762	0,9464	1,1324	1,1413	9,9276	— 0,01
16	9,8905	0,9553	1,0470	1,2098	9,9414	— 0,01
26	9,9061	0,9631	0,9226	1,2573	9,9547	— 0,01
Dec. 6	9,9225	0,9688	0,7263	1,2879	9,9677	— 0,01
16	9,9392	0,9716	0,3236	1,3087	9,9803	— 0,01
26	9,9557	0,9711	0,0727 n	1,3057	9,9925	— 0,01
36	9,9713	0,9673	0,6470 n	1,2938	0,0044	— 0,01

Tabula VIII.

1849.

	Log. *A*	Log. *B*	Log. *C*	Log. *D*	Log. τ	*E*
Jan. 0	8,8820 n	0,9691	0,5085 n	1,2999	— ∞	— 0,01
10	8,6419 n	0,9633	0,8064 n	1,2791	8,4362	— 0,01
20	8,1339 n	0,9547	0,9721 n	1,2427	8,7373	— 0,01
30	8,1393	0,9441	1,0811 n	1,1879	8,9134	— 0,01
Febr. 9	8,5786	0,9327	1,1568 n	1,1096	9,0383	— 0,01
19	8,7698	0,9218	1,2093 n	0,9973	9,1352	— 0,01
Mart. 1	8,8637	0,9124	1,2438 n	0,8270	9,2144	— 0,01
11	8,9700	0,9058	1,2632 n	0,5190	9,2813	— 0,01
21	9,0357	0,9027	1,2690 n	9,2740 n	9,3393	— 0,02
31	9,0936	0,9032	1,2619 n	0,5628 n	9,3905	— 0,02
Apr. 10	9,1481	0,9071	1,2415 n	0,8447 n	9,4362	— 0,02
20	9,2021	0,9136	1,2068 n	1,0048 n	9,4776	— 0,02
30	9,2565	0,9216	1,1556 n	1,1114 n	9,5154	— 0,02
Maj. 10	9,3111	0,9301	1,0834 n	1,1863 n	9,5502	— 0,02
20	9,3652	0,9378	0,9821 n	1,2392 n	9,5824	— 0,02
30	9,4177	0,9438	0,8536 n	1,2751 n	9,6123	— 0,02
Jun. 9	9,4674	0,9474	0,5863 n	1,2970 n	9,6404	— 0,02
19	9,5136	0,9480	9,9018 n	1,3061 n	9,6667	— 0,02
29	9,5557	0,9456	0,3580	1,3032 n	9,6915	— 0,02
Jul. 9	9,5933	0,9401	0,7239	1,2882 n	9,7150	— 0,02
19	9,6262	0,9318	0,9120	1,2599 n	9,7373	— 0,02
29	9,6547	0,9212	1,0341	1,2167 n	9,7585	— 0,02
Aug. 8	9,6789	0,9092	1,1197	1,1549 n	9,7787	— 0,02
18	9,6993	0,8968	1,1810	1,0680 n	9,7980	— 0,02
28	9,7166	0,8852	1,2240	0,9429 n	9,8164	— 0,02
Sept. 7	9,7312	0,8755	1,2519	0,7465 n	9,8342	— 0,02
17	9,7442	0,8689	1,2665	0,3451 n	9,8512	— 0,02
27	9,7562	0,8659	1,2683	0,0913	9,8676	— 0,02
Oct. 7	9,7681	0,8668	1,2572	0,6688	9,8834	— 0,03
17	9,7807	0,8713	1,2325	0,9019	9,8986	— 0,03
27	9,7946	0,8784	1,1920	1,0441	9,9134	— 0,03
Nov. 6	9,8099	0,8871	1,1324	1,1413	9,9276	— 0,03
16	9,8268	0,8958	1,0470	1,2098	9,9414	— 0,03
26	9,8451	0,9033	0,9226	1,2573	9,9547	— 0,03
Dec. 6	9,8642	0,9084	0,7263	1,2879	9,9677	— 0,03
16	9,8835	0,9102	0,8237	1,3037	9,9803	— 0,03
26	9,9024	0,9083	0,0726 n	1,3057	9,9925	— 0,03
36	9,9203	0,9024	0,6470 n	1,2938	0,0044	— 0,03

Tabula IX.

Valores quantitatum C & D pro singulis diebus.

Annus		Januarius.				Februarius.			
		Log. C		Log. D		Log. C		Log. D	
C	B	1750	1850	1750	1850	1750	1850	1750	1850
0	1	0,5109 n	0,5085 n	1,2998	1,2999	1,0904 n	1,0900 n	1,1809	1,1813
1	2	0,5523 n	0,5501 n	1,2984	1,2985	1,0989 n	1,0985 n	1,1740	1,1744
2	3	0,5899 n	0,5879 n	1,2968	1,2969	1,1071 n	1,1067 n	1,1668	1,1672
3	4	0,6245 n	0,6226 n	1,2951	1,2952	1,1150 n	1,1147 n	1,1594	1,1598
4	5	0,6563 n	0,6546 n	1,2932	1,2933	1,1227 n	1,1223 n	1,1518	1,1522
5	6	0,6858 n	0,6842 n	1,2912	1,2913	1,1300 n	1,1297 n	1,1438	1,1442
6	7	0,7133 n	0,7118 n	1,2890	1,2892	1,1372 n	1,1369 n	1,1356	1,1360
7	8	0,7391 n	0,7377 n	1,2867	1,2868	1,1440 n	1,1437 n	1,1271	1,1275
8	9	0,7633 n	0,7620 n	1,2844	1,2845	1,1507 n	1,1504 n	1,1183	1,1187
9	10	0,7861 n	0,7848 n	1,2817	1,2818	1,1571 n	1,1568 n	1,1091	1,1096
10	11	0,8076 n	0,8064 n	1,2789	1,2791	1,1632 n	1,1630 n	1,0996	1,1001
11	12	0,8279 n	0,8268 n	1,2760	1,2762	1,1692 n	1,1689 n	1,0898	1,0903
12	13	0,8472 n	0,8462 n	1,2729	1,2731	1,1749 n	1,1747 n	1,0797	1,0801
13	14	0,8656 n	0,8646 n	1,2697	1,2699	1,1804 n	1,1802 n	1,0691	1,0696
14	15	0,8831 n	0,8822 n	1,2663	1,2665	1,1857 n	1,1855 n	1,0582	1,0587
15	16	0,8997 n	0,8989 n	1,2628	1,2630	1,1908 n	1,1907 n	1,0468	1,0473
16	17	0,9157 n	0,9148 n	1,2590	1,2592	1,1958 n	1,1956 n	1,0350	1,0355
17	18	0,9309 n	0,9301 n	1,2551	1,2554	1,2005 n	1,2003 n	1,0227	1,0233
18	19	0,9455 n	0,9447 n	1,2511	1,2513	1,2050 n	1,2049 n	1,0100	1,0105
19	20	0,9594 n	0,9587 n	1,2468	1,2471	1,2094 n	1,2093 n	0,9967	0,9973
20	21	0,9728 n	0,9721 n	1,2424	1,2427	1,2136 n	1,2135 n	0,9829	0,9835
21	22	0,9857 n	0,9850 n	1,2378	1,2381	1,2176 n	1,2175 n	0,9685	0,9691
22	23	0,9980 n	0,9974 n	1,2331	1,2333	1,2214 n	1,2213 n	0,9535	0,9541
23	24	1,0099 n	1,0093 n	1,2281	1,2284	1,2251 n	1,2250 n	0,9378	0,9384
24	25	1,0213 n	1,0208 n	1,2229	1,2232	1,2286 n	1,2286 n	0,9214	0,9220
25	26	1,0323 n	1,0318 n	1,2176	1,2179	1,2320 n	1,2319 n	0,9042	0,9048
26	27	1,0429 n	1,0424 n	1,2120	1,2123	1,2352 n	1,2351 n	0,8861	0,8868
27	28	1,0531 n	1,0526 n	1,2062	1,2065	1,2382 n	1,2382 n	0,8672	0,8679
28	29	1,0629 n	1,0625 n	1,2002	1,2005	1,2411 n	1,2410 n	0,8473	0,8480
29	30	1,0724 n	1,0720 n	1,1940	1,1943	1,2438 n	1,2438 n	0,8263	0,8270
30	31	1,0816 n	1,0811 n	1,1876	1,1879				
31	32	1,0904 n	1,0900 n	1,1809	1,1813				
32		1,0989 n	1,0985 n	1,1740	1,1744				

Tabula IX. *continuata.*

Valores quantitatum C & D pro singulis diebus.

	Martius.				Aprilis.			
	Log. C		Log. D		Log. C		Log. D	
	1750	1850	1750	1850	1750	1850	1750	1850
0	1,2411 n	1,2410 n	0,8473	0,8480	1,2618 n	1,2619 n	0,5630 n	0,5628 n
1	1,2438 n	1,2438 n	0,8263	0,8270	1,2604 n	1,2604 n	0,6017 n	0,6016 n
2	1,2464 n	1,2464 n	0,8041	0,8048	1,2588 n	1,2589 n	0,6371 n	0,6370 n
3	1,2488 n	1,2488 n	0,7805	0,7813	1,2571 n	1,2572 n	0,6697 n	0,6697 n
4	1,2511 n	1,2511 n	0,7555	0,7563	1,2553 n	1,2554 n	0,6999 n	0,6999 n
5	1,2532 n	1,2533 n	0,7289	0,7297	1,2534 n	1,2535 n	0,7280 n	0,7280 n
6	1,2553 n	1,2553 n	0,7003	0,7012	1,2512 n	1,2513 n	0,7543 n	0,7543 n
7	1,2571 n	1,2571 n	0,6697	0,6706	1,2490 n	1,2490 n	0,7789 n	0,7789 n
8	1,2589 n	1,2588 n	0,6366	0,6375	1,2466 n	1,2467 n	0,8021 n	0,8021 n
9	1,2604 n	1,2604 n	0,6006	0,6016	1,2441 n	1,2442 n	0,8239 n	0,8240 n
10	1,2619 n	1,2619 n	0,5612	0,5623	1,2415 n	1,2415 n	0,8446 n	0,8447 n
11	1,2632 n	1,2632 n	0,5178	0,5190	1,2387 n	1,2387 n	0,8642 n	0,8643 n
12	1,2644 n	1,2644 n	0,4695	0,4707	1,2357 n	1,2358 n	0,8829 n	0,8830 n
13	1,2654 n	1,2654 n	0,4150	0,4163	1,2327 n	1,2327 n	0,9006 n	0,9007 n
14	1,2663 n	1,2663 n	0,3526	0,3540	1,2294 n	1,2294 n	0,9175 n	0,9176 n
15	1,2671 n	1,2671 n	0,2795	0,2812	1,2260 n	1,2260 n	0,9336 n	0,9338 n
16	1,2677 n	1,2678 n	0,1915	0,1935	1,2225 n	1,2225 n	0,9491 n	0,9492 n
17	1,2682 n	1,2683 n	0,0809	0,0833	1,2188 n	1,2188 n	0,9638 n	0,9640 n
18	1,2686 n	1,2687 n	9,9321	9,9353	1,2150 n	1,2150 n	0,9780 n	0,9782 n
19	1,2689 n	1,2689 n	9,7039	9,7090	1,2110 n	1,2110 n	0,9916 n	0,9918 n
20	1,2690 n	1,2691 n	9,1937	9,2091	1,2068 n	1,2068 n	1,0046 n	1,0048 n
21	1,2690 n	1,2690 n	9,2860 n	9,2739 n	1,2025 n	1,2025 n	1,0172 n	1,0174 n
22	1,2689 n	1,2690 n	9,7343 n	9,7303 n	1,1980 n	1,1980 n	1,0292 n	1,0294 n
23	1,2686 n	1,2686 n	9,9499 n	9,9477 n	1,1934 n	1,1935 n	1,0408 n	1,0410 n
24	1,2682 n	1,2682 n	0,0932 n	0,0917 n	1,1885 n	1,1885 n	1,0520 n	1,0522 n
25	1,2677 n	1,2677 n	0,2006 n	0,1995 n	1,1835 n	1,1835 n	1,0628 n	1,0630 n
26	1,2670 n	1,2671 n	0,2865 n	0,2857 n	1,1783 n	1,1783 n	1,0732 n	1,0734 n
27	1,2662 n	1,2663 n	0,3580 n	0,3574 n	1,1730 n	1,1729 n	1,0832 n	1,0834 n
28	1,2653 n	1,2654 n	0,4193 n	0,4188 n	1,1674 n	1,1673 n	1,0929 n	1,0931 n
29	1,2643 n	1,2644 n	0,4728 n	0,4724 n	1,1616 n	1,1615 n	1,1022 n	1,1024 n
30	1,2631 n	1,2632 n	0,5208 n	0,5200 n	1,1557 n	1,1556 n	1,1112 n	1,1114 n
31	1,2618 n	1,2619 n	0,5630 n	0,5628 n	1,1495 n	1,1494 n	1,1199 n	1,1201 n
32	1,2604 n	1,2604 n	0,6017 n	0,6016 n				

Tabula IX. *continuata.*

Valores quantitatum C & D pro singulis diebus.

	Majus.				Junius.			
	Log. C		Log. D		Log. C		Log. D	
	1750	1850	1750	1850	1750	1850	1750	1850
0	1,1557 n	1,1556 n	1,1112 n	1,1114 n	0,8157 n	0,8148 n	1,2778 n	1,2779 n
1	1,1495 n	1,1494 n	1,1199 n	1,1201 n	0,7959 n	0,7950 n	1,2805 n	1,2806 n
2	1,1431 n	1,1430 n	1,1283 n	1,1285 n	0,7751 n	0,7741 n	1,2830 n	1,2831 n
3	1,1365 n	1,1364 n	1,1364 n	1,1366 n	0,7532 n	0,7521 n	1,2854 n	1,2855 n
4	1,1297 n	1,1295 n	1,1442 n	1,1444 n	0,7299 n	0,7288 n	1,2876 n	1,2877 n
5	1,1226 n	1,1225 n	1,1518 n	1,1520 n	0,7052 n	0,7040 n	1,2897 n	1,2898 n
6	1,1153 n	1,1152 n	1,1591 n	1,1593 n	0,6789 n	0,6776 n	1,2917 n	1,2918 n
7	1,1078 n	1,1076 n	1,1662 n	1,1664 n	0,6508 n	0,6493 n	1,2935 n	1,2936 n
8	1,1000 n	1,0998 n	1,1731 n	1,1733 n	0,6206 n	0,6190 n	1,2953 n	1,2954 n
9	1,0920 n	1,0918 n	1,1796 n	1,1798 n	0,5880 n	0,5863 n	1,2969 n	1,2970 n
10	1,0836 n	1,0833 n	1,1861 n	1,1863 n	0,5527 n	0,5508 n	1,2984 n	1,2984 n
11	1,0750 n	1,0748 n	1,1922 n	1,1924 n	0,5141 n	0,5120 n	1,2997 n	1,2998 n
12	1,0661 n	1,0659 n	1,1982 n	1,1984 n	0,4716 n	0,4695 n	1,3009 n	1,3010 n
13	1,0569 n	1,0566 n	1,2040 n	1,2042 n	0,4244 n	0,4217 n	1,3020 n	1,3021 n
14	1,0474 n	1,0471 n	1,2095 n	1,2097 n	0,3713 n	0,3685 n	1,3030 n	1,3031 n
15	1,0375 n	1,0372 n	1,2149 n	1,2151 n	0,3107 n	0,3071 n	1,3039 n	1,3039 n
16	1,0273 n	1,0269 n	1,2201 n	1,2202 n	0,2400 n	0,2358 n	1,3046 n	1,3047 n
17	1,0167 n	1,0163 n	1,2251 n	1,2252 n	0,1555 n	0,1503 n	1,3052 n	1,3053 n
18	1,0056 n	1,0052 n	1,2299 n	1,2301 n	0,0503 n	0,0436 n	1,3057 n	1,3058 n
19	0,9944 n	0,9939 n	1,2345 n	1,2347 n	9,9110 n	9,9017 n	1,3061 n	1,3061 n
20	0,9826 n	0,9821 n	1,2390 n	1,2392 n	9,7046 n	9,6895 n	1,3064 n	1,3064 n
21	0,9703 n	0,9698 n	1,2433 n	1,2435 n	9,2971 n	9,2567 n	1,3065 n	1,3065 n
22	0,9576 n	0,9571 n	1,2474 n	1,2476 n	9,0420	9,1067	1,3065 n	1,3065 n
23	0,9443 n	0,9438 n	1,2514 n	1,2516 n	9,6217	9,6398	1,3064 n	1,3064 n
24	0,9305 n	0,9300 n	1,2552 n	1,2554 n	9,8613	9,8719	1,3062 n	1,3062 n
25	0,9162 n	0,9156 n	1,2589 n	1,2591 n	0,0148	0,0222	1,3059 n	1,3058 n
26	0,9013 n	0,9007 n	1,2624 n	1,2626 n	0,1278	0,1336	1,3054 n	1,3054 n
27	0,8857 n	0,8850 n	1,2658 n	1,2659 n	0,2174	0,2221	1,3048 n	1,3048 n
28	0,8694 n	0,8687 n	1,2690 n	1,2691 n	0,2914	0,2955	1,3041 n	1,3041 n
29	0,8525 n	0,8515 n	1,2721 n	1,2722 n	0,3546	0,3581	1,3033 n	1,3032 n
30	0,8344 n	0,8336 n	1,2750 n	1,2751 n	0,4096	0,4127	1,3023 n	1,3023 n
31	0,8157 n	0,8148 n	1,2778 n	1,2779 n	0,4583	0,4611	1,3013 n	1,3012 n
32	0,7959 n	0,7950 n	1,2805 n	1,2806 n				

Tabula IX. *continuata.*

Valores quantitatum C & D pro singulis diebus.

	Julius.				Augustus.			
	Log. *C*		Log *D*		Log. *C*		Log. *D*	
	1750	1850	1750	1850	1750	1850	1750	1850
0	0,4096	0,4127	1,3023 n	1,3023 n	1,0530	1,0536	1,2063 n	1,2060 n
1	0,4583	0,4611	1,3015 n	1,3012 n	1,0623	1,0628	1,2006 n	1,2003 n
2	0,5020	0,5045	1,3001 n	1,3000 n	1,0713	1,0718	1,1948 n	1,1945 n
3	0,5416	0,5439	1,2988 n	1,2987 n	1,0800	1,0805	1,1888 n	1,1884 n
4	0,5778	0,5799	1,2973 n	1,2972 n	1,0884	1,0888	1,1825 n	1,1822 n
5	0,6111	0,6130	1,2958 n	1,2957 n	1,0965	1,0969	1,1760 n	1,1757 n
6	0,6419	0,6437	1,2941 n	1,2940 n	1,1043	1,1048	1,1693 n	1,1690 n
7	0,6705	0,6722	1,2923 n	1,2922 n	1,1119	1,1124	1,1624 n	1,1621 n
8	0,6973	0,6989	1,2903 n	1,2902 n	1,1193	1,1197	1,1553 n	1,1549 n
9	0,7224	0,7239	1,2883 n	1,2881 n	1,1264	1,1268	1,1479 n	1,1475 n
10	0,7460	0,7474	1,2861 n	1,2859 n	1,1333	1,1336	1,1402 n	1,1398 n
11	0,7683	0,7696	1,2837 n	1,2836 n	1,1399	1,1403	1,1323 n	1,1319 n
12	0,7894	0,7906	1,2813 n	1,2811 n	1,1463	1,1467	1,1241 n	1,1237 n
13	0,8094	0,8106	1,2787 n	1,2785 n	1,1526	1,1529	1,1156 n	1,1152 n
14	0,8284	0,8295	1,2759 n	1,2758 n	1,1586	1,1589	1,1068 n	1,1064 n
15	0,8465	0,8476	1,2731 n	1,2729 n	1,1644	1,1647	1,0977 n	1,0973 n
16	0,8637	0,8648	1,2700 n	1,2699 n	1,1700	1,1703	1,0883 n	1,0879 n
17	0,8802	0,8812	1,2669 n	1,2667 n	1,1755	1,1757	1,0786 n	1,0781 n
18	0,8960	0,8969	1,2636 n	1,2634 n	1,1807	1,1810	1,0685 n	1,0680 n
19	0,9111	0,9120	1,2601 n	1,2599 n	1,1858	1,1860	1,0580 n	1,0576 n
20	0,9256	0,9265	1,2565 n	1,2563 n	1,1907	1,1909	1,0472 n	1,0467 n
21	0,9395	0,9403	1,2528 n	1,2526 n	1,1954	1,1956	1,0359 n	1,0354 n
22	0,9528	0,9536	1,2489 n	1,2487 n	1,1999	1,2002	1,0242 n	1,0237 n
23	0,9657	0,9665	1,2448 n	1,2446 n	1,2043	1,2046	1,0121 n	1,0116 n
24	0,9780	0,9788	1,2406 n	1,2404 n	1,2085	1,2088	0,9994 n	0,9989 n
25	0,9900	0,9907	1,2362 n	1,2360 n	1,2126	1,2128	0,9863 n	0,9858 n
26	1,0014	1,0021	1,2317 n	1,2314 n	1,2165	1,2167	0,9726 n	0,9721 n
27	1,0125	1,0131	1,2270 n	1,2267 n	1,2202	1,2204	0,9584 n	0,9578 n
28	1,0232	1,0238	1,2220 n	1,2218 n	1,2238	1,2240	0,9435 n	0,9429 n
29	1,0335	1,0341	1,2170 n	1,2167 n	1,2273	1,2274	0,9279 n	0,9273 n
30	1,0434	1,0440	1,2117 n	1,2114 n	1,2306	1,2307	0,9117 n	0,9111 n
31	1,0530	1,0536	1,2063 n	1,2060 n	1,2337	1,2339	0,8947 n	0,8941 n
32	1,0623	1,0628	1,2006 n	1,2003 n	1,2367	1,2369	0,8768 n	0,8762 n

Tabula IX. *continuata.*

Valores quantitatum C & D pro singulis diebus.

	September.				October.			
	Log. C		Log. D		Log. C		Log. D	
	1750	1850	1750	1850	1750	1850	1750	1850
0	1,2357	1,2359	0,8947 n	0,8941 n	1,2663	1,2663	0,3554	0,3560
1	1,2367	1,2369	0,8768 n	0,8762 n	1,2654	1,2654	0,4169	0,4173
2	1,2396	1,2397	0,8581 n	0,8574 n	1,2644	1,2644	0,4707	0,4710
3	1,2423	1,2425	0,8383 n	0,8376 n	1,2632	1,2632	0,5184	0,5187
4	1,2449	1,2450	0,8175 n	0,8168 n	1,2619	1,2619	0,5614	0,5615
5	1,2473	1,2475	0,7954 n	0,7947 n	1,2605	1,2605	0,6003	0,6004
6	1,2497	1,2498	0,7721 n	0,7714 n	1,2589	1,2589	0,6360	0,6360
7	1,2518	1,2519	0,7473 n	0,7465 n	1,2572	1,2572	0,6688	0,6688
8	1,2539	1,2540	0,7208 n	0,7200 n	1,2554	1,2554	0,6993	0,6993
9	1,2558	1,2559	0,6925 n	0,6917 n	1,2534	1,2534	0,7276	0,7276
10	1,2576	1,2577	0,6620 n	0,6612 n	1,2513	1,2513	0,7541	0,7540
11	1,2592	1,2593	0,6291 n	0,6282 n	1,2490	1,2491	0,7789	0,7789
12	1,2607	1,2608	0,5934 n	0,5924 n	1,2466	1,2467	0,8023	0,8022
13	1,2621	1,2622	0,5542 n	0,5532 n	1,2441	1,2441	0,8244	0,8243
14	1,2634	1,2635	0,5111 n	0,5100 n	1,2414	1,2414	0,8454	0,8452
15	1,2645	1,2646	0,4630 n	0,4618 n	1,2385	1,2386	0,8652	0,8651
16	1,2655	1,2656	0,4087 n	0,4074 n	1,2355	1,2356	0,8841	0,8839
17	1,2664	1,2665	0,3464 n	0,3451 n	1,2324	1,2325	0,9020	0,9019
18	1,2672	1,2672	0,2736 n	0,2720 n	1,2291	1,2292	0,9192	0,9190
19	1,2678	1,2678	0,1857 n	0,1839 n	1,2256	1,2257	0,9355	0,9353
20	1,2683	1,2683	0,0753 n	0,0731 n	1,2220	1,2221	0,9512	0,9510
21	1,2686	1,2687	9,9266 n	9,9237 n	1,2182	1,2183	0,9662	0,9660
22	1,2689	1,2689	9,6983 n	9,6956 n	1,2143	1,2144	0,9805	0,9803
23	1,2690	1,2691	9,1865 n	9,1717 n	1,2102	1,2103	0,9943	0,9941
24	1,2690	1,2690	9,2839	9,2942	1,2059	1,2060	1,0076	1,0074
25	1,2689	1,2689	9,7310	9,7346	1,2014	1,2015	1,0203	1,0201
26	1,2686	1,2687	9,9466	9,9486	1,1967	1,1968	1,0326	1,0323
27	1,2682	1,2683	0,0900	0,0914	1,1919	1,1920	1,0444	1,0441
28	1,2677	1,2677	0,1976	0,1986	1,1869	1,1870	1,0557	1,0555
29	1,2671	1,2671	0,2837	0,2844	1,1816	1,1818	1,0667	1,0664
30	1,2663	1,2663	0,3554	0,3560	1,1762	1,1764	1,0772	1,0770
31	1,2654	1,2654	0,4169	0,4173	1,1706	1,1707	1,0874	1,0872
32					1,1647	1,1649	1,0972	1,0970

Tabula IX. *continuata.*

Valores quantitatum C & D pro singulis diebus.

	November.				December.			
	Log. *C*		Log. *D*		Log. *C*		Log. *D*	
	1750	1850	1750	1850	1750	1850	1750	1850
0	1,1706	1,1707	1,0874	1,0872	0,8551	0,8560	1,2716	1,2714
1	1,1647	1,1649	1,0972	1,0970	0,8363	0,8372	1,2747	1,2746
2	1,1587	1,1589	1,1067	1,1065	0,8165	0,8175	1,2777	1,2775
3	1,1524	1,1526	1,1159	1,1156	0,7956	0,7966	1,2805	1,2804
4	1,1458	1,1461	1,1247	1,1245	0,7734	0,7746	1,2832	1,2830
5	1,1391	1,1394	1,1332	1,1330	0,7500	0,7512	1,2857	1,2855
6	1,1321	1,1324	1,1415	1,1413	0,7250	0,7263	1,2880	1,2879
7	1,1249	1,1251	1,1495	1,1492	0,6984	0,6998	1,2903	1,2901
8	1,1174	1,1176	1,1572	1,1569	0,6698	0,6714	1,2923	1,2922
9	1,1096	1,1099	1,1646	1,1644	0,6391	0,6408	1,2943	1,2942
10	1,1015	1,1018	1,1718	1,1715	0,6060	0,6078	1,2960	1,2959
11	1,0932	1,0935	1,1787	1,1785	0,5699	0,5719	1,2977	1,2976
12	1,0845	1,0849	1,1854	1,1852	0,5304	0,5326	1,2992	1,2991
13	1,0755	1,0759	1,1919	1,1917	0,4868	0,4892	1,3005	1,3005
14	1,0662	1,0666	1,1981	1,1979	0,4381	0,4409	1,3017	1,3017
15	1,0566	1,0570	1,2041	1,2039	0,3831	0,3863	1,3028	1,3028
16	1,0466	1,0470	1,2100	1,2098	0,3200	0,3237	1,3038	1,3037
17	1,0362	1,0366	1,2156	1,2154	0,2460	0,2504	1,3046	1,3045
18	1,0254	1,0259	1,2210	1,2208	0,1565	0,1619	1,3052	1,3052
19	1,0142	1,0147	1,2262	1,2260	0,0434	0,0505	1,3058	1,3057
20	1,0026	1,0031	1,2312	1,2310	9,8899	9,9000	1,3062	1,3061
21	0,9905	0,9910	1,2360	1,2358	9,6500	9,6675	1,3064	1,3064
22	0,9779	0,9784	1,2407	1,2405	9,0688	9,1523	1,3065	1,3065
23	0,9647	0,9653	1,2451	1,2450	9,3271 n	9,2876 n	1,3065	1,3065
24	0,9511	0,9517	1,2494	1,2492	9,7339 n	9,7188 n	1,3064	1,3064
25	0,9368	0,9375	1,2535	1,2534	9,9402 n	0,9308 n	1,3061	1,3061
26	0,9219	0,9227	1,2575	1,2573	0,0793 n	0,0726 n	1,3056	1,3057
27	0,9064	0,9071	1,2612	1,2611	0,1845 n	0,1791 n	1,3051	1,3051
28	0,8901	0,8909	1,2648	1,2647	0,2689 n	0,2646 n	1,3044	1,3044
29	0,8730	0,8739	1,2683	1,2681	0,3395 n	0,3358 n	1,3035	1,3036
30	0,8551	0,8560	1,2716	1,2714	0,4001 n	0,3968 n	1,3025	1,3026
31	0,8363	0,8372	1,2747	1,2746	0,4531 n	0,4502 n	1,3014	1,3015
32					0,5002 n	0,4977 n	1,3001	1,3002

Tabulae X. Sectio prima.

Adscensiones rectae et Declinationes mediae et apparentes
Stellarum 36 *fundamentalium atque* α *Ursae minoris,*

ab Anno 1750 usque ad Annum 1770.

Tabulae X. Sect. I. γ *Pegasi.*

1750	Jan. 0	0	0	24,384	+13	47	40,46
	Apr. 10			24,413			40,56
	Jul. 19			24,433			40,60
	Oct. 27			24,444			40,58
	Dec. 66			24,446			40,51
1751	Jan. 0	0	0	27,518	+13	48	0,58
	Apr. 10			27,514			0,46
	Jul. 19			27,502			0,30
	Oct. 27			27,480			0,07
	Dec. 66			27,450		47	59,79
1752	Jan. 1	0	0	30,533	+13	48	19,93
	Apr. 10			30,498			19,62
	Jul. 19			30,454			19,26
	Oct. 27			30,402			18,85
	Dec. 66			30,342			18,40
1753	Jan. 0	0	0	33,435	+13	48	38,59
	Apr. 10			33,371			38,11
	Jul. 19			33,300			37,60
	Oct. 27			33,224			37,06
	Dec. 66			33,141			36,48
1754	Jan. 0	0	0	36,241	+13	48	56,71
	Apr. 10			36,155			56,12
	Jul. 19			36,066			55,52
	Oct. 27			35,974			54,90
	Dec. 66			35,878			54,26
1755	Jan. 0	0	0	38,982	+13	49	14,51
	Apr. 10			38,885			13,88
	Jul. 19			38,788			13,25
	Oct. 27			38,690			12,63
	Dec. 66			38,593			12,02
1756	Jan. 1	0	0	41,698	+13	49	32,26
	Apr. 10			41,602			31,66
	Jul. 19			41,508			31,09
	Oct. 27			41,417			30,55
	Dec. 66			41,330			30,05
1757	Jan. 0	0	0	44,432	+13	49	50,24
	Apr. 10			44,349			49,75
	Jul. 19			44,269			49,30
	Oct. 27			44,196			48,89
	Dec. 66			44,129			48,53
1758	Jan. 0	0	0	47,223	+13	50	8,68
	Apr. 10			47,161			8,35
	Jul. 19			47,106			8,08
	Oct. 27			47,059			7,86
	Dec. 66			47,020			7,69
1759	Jan. 0	0	0	50,104	+13	50	27,78
	Apr. 10			50,071			27,65
	Jul. 19			50,046			27,58
	Oct. 27			50,029			27,56
	Dec. 66			50,021			27,60
1760	Jan. 1	0	0	53,096	+13	50	47,62
	Apr. 10			53,094			47,70
	Jul. 19			53,101			47,83
	Oct. 27			53,117			48,02
	Dec. 66			53,140			48,26
1761	Jan. 0	0	0	56,204	+13	51	8,21
	Apr. 10			56,234			8,49
	Jul. 19			56,271			8,81
	Oct. 27			56,316			9,17
	Dec. 66			56,368			9,58
1762	Jan. 0	0	0	59,422	+13	51	29,47
	Apr. 10			59,479			29,91
	Jul. 19			59,542			30,38
	Oct. 27			59,611			30,88
	Dec. 66			59,686			31,41
1763	Jan. 0	0	1	2,733	+13	51	51,26
	Apr. 10			2,811			51,81
	Jul. 19			2,892			52,37
	Oct. 27			2,977			52,95
	Dec. 66			3,066			53,55
1764	Jan. 1	0	1	6,109	+13	52	13,38
	Apr. 10			6,200			13,98
	Jul. 19			6,292			14,58
	Oct. 27			6,385			15,18
	Dec. 66			6,479			15,77
1765	Jan. 0	0	1	9,521	+13	52	35,61
	Apr. 10			9,614			36,20
	Jul. 19			9,705			36,77
	Oct. 27			9,795			37,32
	Dec. 66			9,884			37,86
1766	Jan. 0	0	1	12,927	+13	52	57,72
	Apr. 10			13,014			58,24
	Jul. 19			13,097			58,72
	Oct. 27			13,175			59,17
	Dec. 66			13,249			59,58
1767	Jan. 0	0	1	16,298	+13	53	19,49
	Apr. 10			16,369			19,88
	Jul. 19			16,433			20,22
	Oct. 27			16,491			20,51
	Dec. 66			16,542			20,76
1768	Jan. 1	0	1	19,599	+13	53	40,72
	Apr. 10			19,645			40,93
	Jul. 19			19,688			41,09
	Oct. 27			19,713			41,19
	Dec. 66			19,736			41,25
1769	Jan. 0	0	1	22,802	+13	54	1,27
	Apr. 10			22,818			1,23
	Jul. 19			22,826			1,24
	Oct. 27			22,825			1,14
	Dec. 66			22,815			0,98

Tabulae X. Sect. I. *γ Pegasi.*

	1760		1760		Var. 10 annor.	
	s	″	s	″		
Jan. 0	−0,171	−11,2	+ 3,65	− 7,9	+3	+2
10	−0,283	−11,9	+ 2,81	− 8,9	+3	+2
20	−0,339	−10,0	+ 1,87	− 9,8	+3	+2
30	−0,483	− 8,7	+ 0,86	−10,2	+2	+2
Febr. 9	−0,563	− 6,9	− 0,17	−10,2	+2	+2
19	−0,621	− 4,5	− 1,17	− 9,6	+2	+2
Mart. 1	−0,653	− 1,7	− 2,09	− 8,5	+1	+2
11	−0,655	+ 1,6	− 2,87	− 6,9	0	+2
21	−0,621	+ 5,5	− 3,46	− 4,7	0	+1
31	−0,546	+ 9,5	− 3,81	− 2,2	−1	+1
Apr. 10	−0,431	+13,6	− 3,89	+ 0,8	−1	+1
20	−0,275	+17,7	− 3,66	+ 3,9	−2	0
30	−0,078	+21,5	− 3,12	+ 7,0	−2	0
Maj. 10	+0,155	+24,9	− 2,27	+10,1	−2	−1
20	+0,420	+27,9	− 1,11	+13,1	−2	−1
30	+0,712	+30,1	+ 0,34	+15,7	−2	−1
Jun. 9	+1,022	+31,5	+ 2,02	+17,9	−3	−2
19	+1,342	+32,1	+ 3,91	+19,7	−2	−2
29	+1,664	+31,9	+ 5,95	+20,9	−2	−2
Jul. 9	+1,979	+30,8	+ 8,08	+21,6	−2	−2
19	+2,280	+29,0	+10,26	+21,7	−2	−2
29	+2,559	+26,5	+12,42	+21,3	−2	−2
Aug. 8	+2,809	+23,4	+14,52	+20,5	−1	−2
18	+3,026	+19,9	+16,51	+19,2	−1	−2
28	+3,206	+16,1	+18,35	+17,5	0	−2
Sept. 7	+3,348	+12,3	+20,01	+15,6	0	−2
17	+3,451	+ 8,4	+21,47	+13,6	+1	−1
27	+3,516	+ 4,8	+22,72	+11,3	+1	−1
Oct. 7	+3,546	+ 1,4	+23,73	+ 9,0	+2	−1
17	+3,543	− 1,7	+24,52	+ 6,8	+2	0
27	+3,513	− 4,3	+25,08	+ 4,6	+3	0
Nov. 6	+3,458	− 6,5	+25,43	+ 2,4	+3	0
16	+3,384	− 8,2	+25,56	+ 0,3	+4	+1
26	+3,295	− 9,5	+25,48	− 1,7	+4	+1
Dec. 6	+3,194	−10,5	+25,22	− 3,6	+4	+1
16	+3,085	−11,1	+24,77	− 5,4	+4	+1
26	+2,972	−11,3	+24,15	− 6,9	+4	+2
36	+2,859	−11,4	+23,39	− 8,4	+4	+2

	A. R. med.	Decl. med.
	h ′ ″	° ′ ″
1750	0 0 23,4068	+13 47 33,914
1751	0 26,4786	47 53,951
1752	0 29,5505	48 13,989
1753	0 32,6225	48 34,026
1754	0 35,6946	48 54,063
1755	0 38,7667	49 14,100
1756	0 41,8390	49 34,137
1757	0 44,9113	49 54,173
1758	0 47,9837	50 14,210
1759	0 51,0562	50 34,246
1760	0 54,1289	50 54,282
1761	0 57,2016	51 14,319
1762	1 0,2745	51 34,355
1763	1 3,3474	51 54,390
1764	1 6,4206	52 14,426
1765	1 9,4937	52 34,462
1766	1 12,5669	52 54,497
1767	1 15,6402	53 14,533
1768	1 18,7136	53 34,568
1769	1 21,7871	53 54,603
1770	1 24,8607	54 14,638

Diei reducto addendum est:

ante / post } Mart. 20 { +1 / +2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *a Arietis.*

		h ′ ″	° ′ ″			h ′ ″	° ′ ″
1750	Jan. 0	1 53 9,492	+22 16 8,53	1760	Jan. 1	1 53 40,744	+22 18 51,43
	Apr. 10	9,528	8,23		Apr. 10	40,737	51.89
	Jul. 19	9,555	7,88		Jul. 19	40,740	52.38
	Oct. 27	9,572	7,47		Oct. 27	40,751	52.92
	Dec. 66	9,580	7,01		Dec. 66	40,772	53,49
1751	Jan. 0	1 53 12,920	+22 16 24,69	1761	Jan. 0	1 53 44,108	+22 19 10.79
	Apr. 10	12,921	24,20		Apr. 10	44,135	11,38
	Jul. 19	12,913	23,68		Jul. 19	44,171	11,99
	Oct. 27	12,895	23,12		Oct. 27	44,216	12,62
	Dec. 66	12,867	22,53		Dec. 66	44,269	13.27
1752	Jan. 1	1 53 16,219	+22 16 40,23	1762	Jan. 0	1 53 47,594	+22 19 30,54
	Apr. 10	16,184	39,62		Apr. 10	47,652	31.19
	Jul. 19	16,141	38,98		Jul. 19	47,717	31.85
	Oct. 27	16,089	38,32		Oct. 27	47,789	32.50
	Dec. 66	16,028	37,65		Dec. 66	47,867	33.16
1753	Jan. 0	1 53 19,391	+22 16 55,39	1763	Jan. 0	1 53 51,184	+22 19 50,43
	Apr. 10	19,324	54,71		Apr. 10	51,267	51,08
	Jul. 19	19,251	54,03		Jul. 19	51,354	51,71
	Oct. 27	19,171	53,35		Oct. 27	51,445	52.32
	Dec. 66	19,084	52,68		Dec. 66	51,540	52.91
1754	Jan. 0	1 53 22,456	+22 17 10,41	1764	Jan. 1	1 53 54,854	+22 20 10,20
	Apr. 10	22,364	9,73		Apr. 10	54,950	10.77
	Jul. 19	22,269	9,08		Jul. 19	55,048	11.31
	Oct. 27	22,170	8,48		Oct. 27	55,149	11.81
	Dec. 66	22,066	7,91		Dec. 66	55,251	12.28
1755	Jan. 0	1 53 25,444	+22 17 25,61	1765	Jan. 0	1 53 58,561	+22 20 29.61
	Apr. 10	25,339	25,04		Apr. 10	58,664	30.05
	Jul. 19	25,233	24,52		Jul. 19	58,765	30 44
	Oct. 27	25,127	24,04		Oct. 27	58,865	30.78
	Dec. 66	25,020	23,61		Dec. 66	58,963	31,07
1756	Jan. 1	1 53 28,898	+22 17 41,26	1766	Jan. 0	1 54 2,275	+22 20 48.45
	Apr. 10	28,292	40,86		Apr. 10	2,372	48,71
	Jul. 19	28,188	40,52		Jul. 19	2,464	48,91
	Oct. 27	28,088	40,23		Oct. 27	2,552	49.05
	Dec. 66	27,990	40,00		Dec. 66	2,636	49,13
1757	Jan. 0	1 53 31,365	+22 17 57,58	1767	Jan. 0	1 54 5,954	+22 21 6,59
	Apr. 10	31,270	57,39		Apr. 10	6,034	6,63
	Jul. 19	31,182	57,27		Jul. 19	6,108	6.61
	Oct. 27	31,099	57,21		Oct. 27	6,175	6,54
	Dec. 66	31,022	57,20		Dec. 66	6,235	6.40
1758	Jan. 0	1 53 34,390	+22 18 14,69	1768	Jan. 1	1 54 9,561	+22 21 23,98
	Apr. 10	34,318	14,75		Apr. 10	9,616	23,75
	Jul. 19	34,254	14,87		Jul. 19	9,662	23.52
	Oct. 27	34,198	15,04		Oct. 27	9,700	23.28
	Dec. 66	34,150	15,27		Dec. 66	9,729	22,88
1759	Jan. 0	1 53 37,508	+22 18 32,68	1769	Jan. 0	1 54 13,065	+22 21 40.48
	Apr. 10	37,467	32,95		Apr. 10	13,088	40,10
	Jul. 19	37,435	33,27		Jul. 19	13,102	39,67
	Oct. 27	37,411	33,65		Oct. 27	13,106	39,19
	Dec. 66	37,397	34,08		Dec. 66	13,100	38,67

Tabulae X. Sect. I. *a Arietis.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
								h ′ ″	° ′ ″
Jan. 0	+0,530	−10,6	+ 5,86	− 2,5	+4	+1	1750	1 53 8,4434	+22 16 1,962
10	+0,414	−12,5	+ 5,53	− 4,2	+4	+1	1751	53 11,7850	16 19,478
20	+0,281	−13,8	+ 5,03	− 5,8	+4	+1	1752	53 15,1268	16 36,992
30	+0,138	−14,5	+ 4,38	− 7,2	+4	+2	1753	53 18,4688	16 54,504
Febr. 9	−0,009	−14,5	+ 3,60	− 8,3	+3	+2	1754	53 21,8110	17 12,013
							1755	53 25,1533	17 29,520
19	−0,151	−13,6	+ 2,73	− 9,0	+3	+2	1756	53 28,4959	17 47,024
Mart. 1	−0,281	−11,9	+ 1,81	− 9,3	+3	+2	1757	53 31,8387	18 4,526
11	−0,388	− 9,2	+ 0,87	− 9,2	+2	+2	1758	53 35,1817	18 22,026
21	−0,465	− 5,9	− 0,02	− 8,4	+2	+2	1759	53 38,5249	18 39,523
31	−0,505	− 1,9	− 0,81	− 7,2	+1	+2	1760	53 41,8682	18 57,018
							1761	53 45,2118	19 14,511
Apr. 10	−0,502	+ 2,7	− 1,46	− 5,6	0	+2	1762	53 48,5556	19 32,001
20	−0,452	+ 7,5	− 1,92	− 3,5	0	+1	1763	53 51,8996	19 49,488
30	−0,353	+12,3	− 2,15	− 1,0	−1	+1	1764	53 55,2438	20 6,974
Maj. 10	−0,206	+17,0	− 2,11	+ 1,8	−1	0	1765	53 58,5881	20 24,457
20	−0,013	+21,4	− 1,80	+ 4,5	−1	0	1766	54 1,9327	20 41,937
							1767	54 5,2775	20 59,415
30	+0,222	+25,3	− 1,21	+ 7,3	−2	−1	1768	54 8,6225	21 16,891
Jun. 9	+0,492	+28,4	− 0,34	+10,0	−2	−1	1769	54 11,9677	21 34,364
19	+0,790	+30,9	+ 0,78	+12,4	−2	−2	1770	54 15,3130	21 51,835
29	+1,109	+32,5	+ 2,13	+14,5	−2	−2			
Jul. 9	+1,439	+33,2	+ 3,67	+16,1	−2	−2			
19	+1,773	+33,2	+ 5,35	+17,4	−2	−3			
29	+2,102	+32,3	+ 7,14	+18,2	−2	−3			
Aug. 8	+2,419	+30,8	+ 8,98	+18,5	−2	−4			
18	+2,718	+28,7	+10,83	+18,4	−2	−4			
28	+2,993	+26,2	+12,65	+17,8	−1	−4			
Sept. 7	+3,241	+22,8	+14,39	+16,9	−1	−4			
17	+3,459	+19,8	+16,02	+15,7	0	−4			
27	+3,646	+17,1	+17,52	+14,3	0	−4			
Oct. 7	+3,800	+13,8	+18,88	+12,8	+1	−4			
17	+3,922	+10,7	+20,07	+11,0	+2	−4			
27	+4,013	+ 7,5	+21,08	+ 9,3	+2	−4			
Nov. 6	+4,072	+ 4,4	+21,93	+ 7,6	+3	−4			
16	+4,101	+ 1,5	+22,59	+ 5,8	+4	−3			
26	+4,101	− 1,4	+23,08	+ 4,0	+4	−3			
Dec. 6	+4,078	− 4,2	+23,39	+ 2,3	+5	−3			
16	+4,017	− 6,9	+23,53	+ 0,5	+5	−2			
26	+3,936	− 9,5	+23,48	− 1,4	+5	−2			
36	+3,832	−11,4	+23,25	− 3,1	+6	−2			

Diei reducto addendum est:

ante } Apr. 20 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *α Ceti.*

1750	Jan. 0	2 49 15,462	+ 3 5 41,56	1760	Jan. 1	2 49 44,568	+ 3 7 58,04
	Apr. 10	15,479	41,08		Apr. 10	44,578	58,63
	Jul. 19	15,488	40,56		Jul. 19	44,596	59,25
	Oct. 27	15,488	40,00		Oct. 27	44,623	59,91
	Dec. 66	15,479	39,39		Dec. 66	44,658	8 0,61
1751	Jan. 0	2 49 18,599	+ 3 5 54,30	1761	Jan. 0	2 49 47,762	+ 3 8 15,05
	Apr. 10	18,584	53,67		Apr. 10	47,802	15,75
	Jul. 19	18,560	53,01		Jul. 19	47,850	16,46
	Oct. 27	18,528	52,33		Oct. 27	47,904	17,17
	Dec. 66	18,487	51,62		Dec. 66	47,966	17,88
1752	Jan. 1	2 49 21,618	+ 3 6 6,56	1762	Jan. 0	2 49 51,062	+ 3 8 32,32
	Apr. 10	21,577	5,84		Apr. 10	51,128	33,03
	Jul. 19	21,517	5,12		Jul. 19	51,199	33,72
	Oct. 27	21,454	4,39		Oct. 27	51,275	34,39
	Dec. 66	21,387	3,66		Dec. 66	51,357	35,05
1753	Jan. 0	2 49 24,527	+ 3 6 18,61	1763	Jan. 0	2 49 54,446	+ 3 8 49,51
	Apr. 10	24,454	17,89		Apr. 10	54,529	50,15
	Jul. 19	24,375	17,19		Jul. 19	54,617	50,76
	Oct. 27	24,292	16,51		Oct. 27	54,707	51,33
	Dec. 66	24,203	15,85		Dec. 66	54,799	51,87
1754	Jan. 0	2 49 27,349	+ 3 6 30,77	1764	Jan. 1	2 49 57,885	+ 3 9 6,36
	Apr. 10	27,258	30,13		Apr. 10	57,978	6,87
	Jul. 19	27,164	29,53		Jul. 19	58,072	7,32
	Oct. 27	27,068	28,97		Oct. 27	58,165	7,73
	Dec. 66	26,969	28,46		Dec. 66	58,258	8,09
1755	Jan. 0	2 49 30,119	+ 3 6 43,33	1765	Jan. 0	2 50 1,344	+ 3 9 22,64
	Apr. 10	30,020	42,85		Apr. 10	1,437	22,96
	Jul. 19	29,922	42,43		Jul. 19	1,527	23,22
	Oct. 27	29,826	42,07		Oct. 27	1,614	23,42
	Dec. 66	29,730	41,76		Dec. 66	1,699	23,56
1756	Jan. 1	2 49 32,878	+ 3 6 57,55	1766	Jan. 0	2 50 4,788	+ 3 9 38,18
	Apr. 10	32,784	57,29		Apr. 10	4,871	38,28
	Jul. 19	32,694	57,10		Jul. 19	4,948	38,31
	Oct. 27	32,608	56,98		Oct. 27	5,020	38,28
	Dec. 66	32,526	56,92		Dec. 66	5,086	38,19
1757	Jan. 0	2 49 35,669	+ 3 7 10,62	1767	Jan. 0	2 50 8,182	+ 3 9 52,89
	Apr. 10	35,591	10,61		Apr. 10	8,245	52,75
	Jul. 19	35,519	10,67		Jul. 19	8,301	52,55
	Oct. 27	35,454	10,79		Oct. 27	8,350	52,29
	Dec. 66	35,396	10,98		Dec. 66	8,391	51,96
1758	Jan. 0	2 49 38,531	+ 3 7 25,60	1768	Jan. 1	2 50 11,495	+ 3 10 6,74
	Apr. 10	38,477	25,84		Apr. 10	11,531	6,38
	Jul. 19	38,432	26,13		Jul. 19	11,559	5,96
	Oct. 27	38,395	26,49		Oct. 27	11,579	5,50
	Dec. 66	38,367	26,90		Dec. 66	11,590	4,98
1759	Jan. 0	2 49 41,492	+ 3 7 31,44	1769	Jan. 0	2 50 14,705	+ 3 10 19,81
	Apr. 10	41,469	31,89		Apr. 10	14,710	19,26
	Jul. 19	41,455	32,39		Jul. 19	14,706	18,68
	Oct. 27	41,450	32,95		Oct. 27	14,693	18,05
	Dec. 66	41,454	33,56		Dec. 66	14,671	17,39

Tabulae X. Sect. I. *a Ceti.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
								h ′ ″	° ′ ″
Jan. 0	+0,774	− 7,4	− 0,66	− 7,4	+3	+1	1750	2 49 14,4458	+ 3 5 35,580
10	+0,687	− 9,9	− 1,38	− 6,9	+3	+1	1751	49 17,5618	5 50,290
20	+0,576	−12,1	− 2,03	− 6,1	+3	+1	1752	49 20,6779	6 4,997
30	+0,446	−13,7	− 2,60	− 5,8	+3	+1	1753	49 23,7941	6 19,701
Febr. 9	+0,303	−14,6	− 3,08	− 4,5	+3	+1	1754	49 26,9104	6 34,402
							1755	49 30,0266	6 49,100
19	+0,155	−14,7	− 3,46	− 3,2	+3	+1	1756	49 33,1431	7 4,795
Mart. 1	+0,009	−14,0	− 3,71	− 1,9	+3	+1	1757	49 36,2597	7 18,486
11	−0,125	−12,5	− 3,85	− 0,4	+2	0	1758	49 39,3764	7 33,174
21	−0,240	−10,1	− 3,79	+ 1,5	+2	0	1759	49 42,4931	7 47,859
31	−0,326	− 6,8	− 3,58	+ 3,1	+2	0	1760	49 45,6099	8 2,541
							1761	49 48,7268	8 17,220
Apr. 10	−0,376	− 3,0	− 3,18	+ 5,1	+1	−1	1762	49 51,8438	8 31,895
20	−0,386	+ 1,2	− 2,57	+ 7,1	+1	−1	1763	49 54,9609	8 46,568
30	−0,352	+ 5,8	− 1,76	+ 9,2	0	−1	1764	49 58,0781	9 1,237
Maj. 10	−0,271	+10,3	− 0,74	+11,3	0	−2	1765	50 1,1956	9 15,903
20	−0,146	+14,7	+ 0,49	+13,2	−1	−2	1766	50 4,3130	9 30,566
							1767	50 7,4305	9 45,226
30	+0,023	+18,9	+ 1,89	+15,8	−1	−2	1768	50 10,5481	9 59,882
Jun. 9	+0,231	+22,5	+ 3,45	+16,3	−1	−3	1769	50 13,6658	10 14,536
19	+0,472	+25,5	+ 5,14	+17,3	−2	−3	1770	50 16,7837	10 29,186
29	+0,740	+27,9	+ 6,90	+17,8	−2	−3			
Jul. 9	+1,029	+29,5	+ 8,69	+17,9	−2	−3			
19	+1,329	+30,4	+10,47	+17,4	−2	−3			
29	+1,636	+30,6	+12,17	+16,5	−2	−3			
Aug. 8	+1,941	+30,0	+13,76	+15,0	−2	−3			
18	+2,236	+28,9	+15,17	+13,2	−2	−3			
28	+2,518	+27,3	+16,39	+11,0	−2	−3			
Sept. 7	+2,782	+25,3	+17,36	+ 8,5	−2	−3			
17	+3,024	+23,0	+18,09	+ 6,0	−1	−3			
27	+3,242	+20,5	+18,55	+ 3,3	−1	−3			
Oct. 7	+3,434	+17,8	+18,75	+ 0,8	−1	−3			
17	+3,598	+15,0	+18,71	− 1,5	0	−3			
27	+3,734	+12,2	+18,46	− 3,4	0	−3			
Nov. 6	+3,841	+ 9,3	+18,03	− 5,1	+1	−3			
16	+3,919	+ 6,4	+17,45	− 6,3	+2	−3			
26	+3,967	+ 3,4	+16,77	− 7,1	+2	−3			
Dec. 6	+3,985	+ 0,4	+16,03	− 7,6	+3	−2			
16	+3,974	− 2,7	+15,25	− 7,8	+3	−2			
26	+3,932	− 5,7	+14,48	− 7,6	+3	−2			
36	+3,861	− 8,4	+13,74	− 7,2	+4	−2			

Diei reducto addendum est:

ante / post } Maj. 5 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *α Tauri.*

		h ′ ″	° ′ ″			h ′ ″	° ′ ″
1750	Jan. 0	4 21 37,442	+15 59 0,24	1760	Jan. 1	4 22 9,414	+16 0 15,27
	Apr. 10	37,465	58 59,54		Apr. 10	9,422	16,05
	Jul. 19	37,479	58,81		Jul. 19	9,437	16,84
	Oct. 27	37,483	58,05		Oct. 27	9,462	17,63
	Dec. 66	37,477	57,27		Dec. 66	9,496	18,42
1751	Jan. 0	4 21 40,902	+15 59 5,71	1761	Jan. 0	4 22 12,907	+16 0 26,28
	Apr. 10	40,889	4,91		Apr. 10	12,947	27,07
	Jul. 19	40,867	4,12		Jul. 19	12,996	27,83
	Oct. 27	40,835	3,33		Oct. 27	13,052	28,58
	Dec. 66	40,794	2,53		Dec. 66	13,117	29,31
1752	Jan. 1	4 21 44,231	+15 59 10,96	1762	Jan. 0	4 22 16,517	+16 0 37,19
	Apr. 10	44,184	10,17		Apr. 10	16,585	37,89
	Jul. 19	44,128	9,41		Jul. 19	16,662	38,56
	Oct. 27	44,064	8,66		Oct. 27	16,744	39,18
	Dec. 66	43,991	7,94		Dec. 66	16,831	39,76
1753	Jan. 0	4 21 47,438	+15 59 16,35	1763	Jan. 0	4 22 20,224	+16 0 47,69
	Apr. 10	47,361	15,65		Apr. 10	20,314	48,24
	Jul. 19	47,277	15,00		Jul. 19	20,408	48,73
	Oct. 27	47,187	14,40		Oct. 27	20,505	49,17
	Dec. 66	47,092	13,84		Dec. 66	20,606	49,55
1754	Jan. 0	4 21 50,547	+15 59 22,18	1764	Jan. 1	4 22 23,995	+16 0 57,54
	Apr. 10	50,448	21,66		Apr. 10	24,097	57,88
	Jul. 19	50,346	21,21		Jul. 19	24,199	58,15
	Oct. 27	50,242	20,82		Oct. 27	24,301	58,35
	Dec. 66	50,135	20,50		Dec. 66	24,404	58,48
1755	Jan. 0	4 21 53,593	+15 59 28,75	1765	Jan. 0	4 22 27,793	+16 1 6,56
	Apr. 10	53,486	28,47		Apr. 10	27,895	6,64
	Jul. 19	53,379	28,27		Jul. 19	27,995	6,65
	Oct. 27	53,271	28,14		Oct. 27	28,092	6,60
	Dec. 66	53,164	28,09		Dec. 66	28,187	6,48
1756	Jan. 1	4 21 56,622	+15 59 36,26	1766	Jan. 0	4 22 31,579	+16 1 14,64
	Apr. 10	56,517	36,26		Apr. 10	31,671	14,47
	Jul. 19	56,416	36,33		Jul. 19	31,758	14,23
	Oct. 27	56,320	36,48		Oct. 27	31,840	13,98
	Dec. 66	56,228	36,70		Dec. 66	31,916	13,56
1757	Jan. 0	4 21 59,681	+15 59 44,76	1767	Jan. 0	4 22 35,314	+16 1 21,79
	Apr. 10	59,592	45,03		Apr. 10	35,386	21,38
	Jul. 19	59,511	45,37		Jul. 19	35,451	20,91
	Oct. 27	59,436	45,78		Oct. 27	35,507	20,38
	Dec. 66	59,369	46,25		Dec. 66	35,556	19,80
1758	Jan. 0	4 22 2,813	+15 59 54,28	1768	Jan. 1	4 22 38,964	+16 1 28,10
	Apr. 10	2,750	54,74		Apr. 10	39,008	27,48
	Jul. 19	2,696	55,30		Jul. 19	39,042	26,83
	Oct. 27	2,652	55,91		Oct. 27	39,068	26,14
	Dec. 66	2,618	56,57		Dec. 66	39,083	25,41
1759	Jan. 0	4 22 6,051	+16 0 4,48	1769	Jan. 0	4 22 42,503	+16 1 33,75
	Apr. 10	6,022	5,17		Apr. 10	42,512	33,00
	Jul. 19	6,002	5,88		Jul. 19	42,512	32,23
	Oct. 27	5,993	6,63		Oct. 27	42,502	31,45
	Dec. 66	5,993	7,40		Dec. 66	42,483	30,65

Tabulae X. Sect. I. *α Tauri.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
								h ′ ″	° ′ ″
Jan. 0	+1,202	− 0,7	+ 1,33	− 2,5	+2	−1	1750	4 21 36,3366	+15 58 55,972
10	+1,175	− 4,8	+ 1,08	− 2,5	+2	−1	1751	21 39 7583	59 4,147
20	+1,107	− 8,6	+ 0,83	− 2,6	+3	−1	1752	21 43,1801	59 12,317
30	+1,004	−11,8	+ 0,57	− 2,7	+3	0	1753	21 46,6020	59 20,483
Febr. 9	+0,871	−14,5	+ 0,30	− 2,7	+3	0	1754	21 50,0240	59 28,645
							1755	21 53,4460	59 36,800
19	+0,714	−16,4	+ 0,03	− 2,8	+3	0	1756	21 56,8683	59 44,953
Mart. 1	+0,544	−17,2	− 0,25	− 2,8	+4	0	1757	22 0,2906	59 53,101
11	+0,371	−17,0	− 0,53	− 2,8	+3	0	1758	22 3,7130	+16 0 1,244
21	+0,205	−15,7	− 0,80	− 2,5	+3	0	1759	22 7,1356	0 9,382
31	+0,057	−13,5	− 1,03	− 2,1	+3	0	1760	22 10,5583	0 17,516
							1761	22 13,9811	0 25,645
Apr. 10	−0,064	−10,3	− 1,21	− 1,4	+3	0	1762	22 17,4040	0 33,770
20	−0,149	− 6,5	− 1,31	− 0,5	+2	0	1763	22 20,8270	0 41,890
30	−0,194	− 2,2	− 1,31	+ 0,6	+2	0	1764	22 24,2501	0 50,005
Maj. 10	−0,198	+ 2,5	− 1,19	+ 1,9	+1	0	1765	22 27,6732	0 58,116
20	−0,145	+ 7,2	− 0,93	+ 3,4	+1	0	1766	22 31,0965	1 6,222
							1767	22 34,5199	1 14,324
30	−0,050	+11,8	− 0,52	+ 4,9	0	0	1768	22 37,9434	1 22,421
Jun. 9	+0,091	+16,1	+ 0,04	+ 6,3	0	−1	1769	22 41,3670	1 30,513
19	+0,272	+20,0	+ 0,74	+ 7,6	−1	−1	1770	22 44,7909	1 38,601
29	+0,490	+23,4	+ 1,56	+ 8,8	−1	−1			
Jul. 9	+0,739	+26,1	+ 2,50	+ 9,8	−2	−2			
19	+1,011	+28,2	+ 3,51	+10,3	−2	−2			
29	+1,302	+29,7	+ 4,55	+10,5	−2	−3			
Aug. 8	+1,604	+30,5	+ 5,60	+10,4	−2	−3			
18	+1,911	+30,8	+ 6,62	+ 9,8	−2	−3			
28	+2,219	+30,6	+ 7,56	+ 8,9	−2	−4			
Sept. 7	+2,522	+29,9	+ 8,40	+ 7,8	−2	−4			
17	+2,817	+29,0	+ 9,12	+ 6,5	−2	−4			
27	+3,101	+27,7	+ 9,69	+ 5,0	−2	−5			
Oct. 7	+3,370	+26,0	+10,11	+ 3,5	−2	−5			
17	+3,621	+24,1	+10,38	+ 2,1	−1	−5			
27	+3,851	+21,9	+10,52	+ 0,8	−1	−5			
Nov. 6	+4,058	+19,4	+10,54	− 0,3	0	−5			
16	+4,238	+16,5	+10,46	− 1,2	0	−5			
26	+4,388	+13,3	+10,30	− 1,8	+1	−6			
Dec. 6	+4,503	+ 9,7	+10,10	− 2,2	+2	−6			
16	+4,582	+ 5,9	+ 9,87	− 2,4	+2	−6			
26	+4,621	+ 1,9	+ 9,62	− 2,5	+3	−5			
36	+4,619	− 2,2	+ 9,37	− 2,5	+3	−5			

Diei reducto addendum est:

ante } Maj. 28 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *a Aurigae.*

1750	Jan. 0	4 58 17,401	+45 42 43,65	1760	Jan. 1	4 58 58,532	+45 43 27,93
	Apr. 10	17,437	42,91		Apr. 10	58,534	28,75
	Jul. 19	17,461	42,14		Jul. 19	58,548	29,56
	Oct. 27	17,473	41,34		Oct. 27	58,574	30,36
	Dec. 66	17,472	40,52		Dec. 66	58,613	31,16
1751	Jan. 0	4 58 21,874	+45 42 45,71	1761	Jan. 0	4 59 3,001	+45 43 35,74
	Apr. 10	21,864	44,89		Apr. 10	3,047	36,53
	Jul. 19	21,842	44,07		Jul. 19	3,104	37,29
	Oct. 27	21,808	43,77		Oct. 27	3,172	38,01
	Dec. 66	21,761	42,47		Dec. 66	3,250	38,71
1752	Jan. 1	4 58 26,178	+45 42 47,64	1762	Jan. 0	4 59 7,625	+45 43 43,3[illegible]
	Apr. 10	26,123	46,86		Apr. 10	7,710	43[illegible]
	Jul. 19	26,057	46,11		Jul. 19	7,802	44,6[illegible]
	Oct. 27	25,980	45,39		Oct. 27	7,903	45,1[illegible]
	Dec. 66	25,891	44,70		Dec. 66	8,012	45,7[illegible]
1753	Jan. 0	4 58 30,328	+45 42 49,83	1763	Jan. 0	4 59 12,377	+45 43 50,[illegible]
	Apr. 10	30,228	49,17		Apr. 10	12,491	50,[illegible]
	Jul. 19	30,124	48,58		Jul. 19	12,609	51,[illegible]
	Oct. 27	30,013	48,03		Oct. 27	12,732	51,65
	Dec. 66	29,893	47,54		Dec. 66	12,859	51,94
1754	Jan. 0	4 58 34,334	+45 42 52,59	1764	Jan. 1	4 59 17,219	+45 43 56,[illegible]
	Apr. 10	34,210	52,13		Apr. 10	17,349	56,[illegible]
	Jul. 19	34,081	51,77		Jul. 19	17,480	57,11
	Oct. 27	33,948	51,47		Oct. 27	17,612	57,22
	Dec. 66	33,811	51,24		Dec. 66	17,745	57,26
1755	Jan. 0	4 58 38,258	+45 42 56,19	1765	Jan. 0	4 59 22,103	+45 44 2,0[illegible]
	Apr. 10	38,119	56,01		Apr. 10	22,236	2,07
	Jul. 19	37,981	55,91		Jul. 19	22,366	1,9[illegible]
	Oct. 27	37,843	55,88		Oct. 27	22,495	1,8[illegible]
	Dec. 66	37,705	55,93		Dec. 66	22,617	1,6[illegible]
1756	Jan. 1	4 58 42,152	+45 43 0,79	1766	Jan. 0	4 59 26,979	+45 44 6,5[illegible]
	Apr. 10	42,016	0,89		Apr. 10	27,101	6,2[illegible]
	Jul. 19	41,884	1,07		Jul. 19	27,216	5,9[illegible]
	Oct. 27	41,757	1,32		Oct. 27	27,325	5,5[illegible]
	Dec. 66	41,635	1,65		Dec. 66	27,427	5,03
1757	Jan. 0	4 58 46,076	+45 43 6,40	1767	Jan. 0	4 59 31,797	+45 44 10,0[illegible]
	Apr. 10	45,958	6,78		Apr. 10	31,894	9,5[illegible]
	Jul. 19	45,849	7,22		Jul. 19	31,982	8,9[illegible]
	Oct. 27	45,749	7,72		Oct. 27	32,061	8,3[illegible]
	Dec. 66	45,657	8,28		Dec. 66	32,130	7,67
1758	Jan. 0	4 58 50,088	+45 43 12,96	1768	Jan. 1	4 59 36,511	+45 44 12,70
	Apr. 10	50,002	13,56		Apr. 10	36,573	12,01
	Jul. 19	49,928	14,20		Jul. 19	36,623	11,29
	Oct. 27	49,865	14,88		Oct. 27	36,662	10,54
	Dec. 66	49,813	15,61		Dec. 66	36,689	9,76
1759	Jan. 0	4 58 54,231	+45 43 20,23	1769	Jan. 0	4 59 41,085	+45 44 14,82
	Apr. 10	54,187	20,98		Apr. 10	41,104	14,02
	Jul. 19	54,155	21,75		Jul. 19	41,110	13,22
	Oct. 27	54,136	22,54		Oct. 27	41,103	12,40
	Dec. 66	54,129	23,35		Dec. 66	41,084	11,58

Tabulae X. Sect. I. *α Aurigae.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
			″	″				h ′ ″	° ′ ″
Jan. 0	+1,805	+ 2,1	+4,45	+13,9	+3	− 4	1750	4 58 15,9950	+45 42 40,302
10	+1,796	− 3,9	+5,79	+12,7	+4	− 4	1751	58 20,3952	42 45,214
20	+1,728	− 9,7	+6,98	+11,0	+5	− 4	1752	58 24,7956	42 50,120
30	+1,603	−15,0	+7,98	+ 8,8	+5	− 3	1753	58 29,1962	42 55,019
Febr. 9	+1,429	−19,4	+8,73	+ 6,1	+6	− 3	1754	58 33,5970	42 59,913
							1755	58 37,9980	43 4,800
19	+1,216	−22,6	+9,20	+ 3,3	+6	− 2	1756	58 42,3992	43 9,681
Mart. 1	+0,977	−24,5	+9,38	+ 0,2	+6	− 1	1757	58 46,8005	43 14,555
11	+0,727	−25,0	+9,24	− 2,9	+6	0	1758	58 51,2020	43 19,424
21	+0,478	−24,0	+8,81	− 5,7	+6	0	1759	58 55,6037	43 24,286
31	+0,247	−21,6	+8,11	− 8,3	+6	+ 1	1760	59 0,0056	43 29,142
							1761	59 4,4077	43 33,992
Apr. 10	+0,046	−18,0	+7,16	−10,5	+5	+ 1	1762	59 8,8100	43 38,835
20	−0,112	−13,3	+6,02	−12,1	+4	+ 2	1763	59 13,2124	43 43,673
30	−0,220	− 7,9	+4,75	−13,2	+4	+ 2	1764	59 17,6150	43 48,504
Maj. 10	−0,270	− 1,9	+3,39	−13,7	+3	+ 2	1765	59 22,0178	43 53,329
20	−0,257	+ 4,4	+2,01	−13,7	+2	+ 2	1766	59 26,4208	43 58,148
							1767	59 30,8240	44 2,960
30	−0,183	+10,5	+0,66	−13,1	+1	+ 2	1768	59 35,2274	44 7,766
Jun. 9	−0,047	+16,5	−0,61	−12,1	0	+ 2	1769	59 39,6309	44 12,566
19	+0,146	+21,9	−1,76	−10,6	−1	+ 2	1770	59 44,0346	44 17,360
29	+0,390	+26,8	−2,73	− 8,9	−2	+ 1			
Jul. 9	+0,681	+31,0	−3,54	− 7,1	−2	0			
19	+1,010	+34,4	−4,14	− 5,0	−3	0			
29	+1,369	+37,1	−4,54	− 3,0	−3	− 1			
Aug. 8	+1,752	+39,1	−4,73	− 0,9	−4	− 2			
18	+2,150	+40,3	−4,72	+ 1,1	−4	− 3			
28	+2,557	+40,9	−4,52	+ 2,9	−4	− 4			
Sept. 7	+2,968	+41,0	−4,14	+ 4,7	−4	− 5			
17	+3,376	+40,5	−3,59	+ 6,3	−4	− 5			
27	+3,777	+39,5	−2,89	+ 7,8	−4	− 6			
Oct. 7	+4,166	+38,0	−2,04	+ 9,2	−3	− 7			
17	+4,537	+36,0	−1,05	+10,5	−3	− 8			
27	+4,886	+33,6	+0,06	+11,7	−2	− 9			
Nov. 6	+5,208	+30,5	+1,28	+12,8	−1	− 9			
16	+5,495	+26,8	+2,61	+13,7	0	−10			
26	+5,743	+22,4	+4,01	+14,3	+1	−10			
Dec. 6	+5,943	+17,5	+5,47	+14,8	+2	−11			
16	+6,092	+11,9	+6,96	+14,8	+3	−11			
26	+6,181	+ 6,0	+8,42	+14,4	+4	−11			
36	+6,211	− 0,1	+9,83	+14,0	+5	−10			

Diei reducto addendum est:

ante } Jun. 6 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *β Orionis.*

1750	Jan. 0	5 2′ 33″,009	— 8° 30′ 37″,33	1760	Jan. 1	5 2′ 59″,860	— 8° 29′ 52″,40
	Apr. 10	33,021	38,10		Apr. 10	59,873	51,58
	Jul. 19	33,025	38,88		Jul. 19	59,894	50,77
	Oct. 27	33,021	39,68		Oct. 27	59,922	49,97
	Dec. 66	33,008	40,50		Dec. 66	59,958	49,17
1751	Jan. 0	5 2 35,889	— 8 30 35,28	1761	Jan. 0	5 3 2,821	— 8 29 44,53
	Apr. 10	35,871	36,10		Apr. 10	2,862	43,75
	Jul. 19	35,845	36,92		Jul. 19	2,909	42,99
	Oct. 27	35,811	37,72		Oct. 27	2,963	42,27
	Dec. 66	35,769	38,52		Dec. 66	3,023	41,58
1752	Jan. 1	5 2 38,660	— 8 30 33,31	1762	Jan. 0	5 3 5,878	— 8 29 36,90
	Apr. 10	38,613	34,09		Apr. 10	5,942	36,24
	Jul. 19	38,560	34,84		Jul. 19	6,010	35,62
	Oct. 27	38,500	35,55		Oct. 27	6,082	35,06
	Dec. 66	38,434	36,23		Dec. 66	6,159	34,54
1753	Jan. 0	5 2 41,332	— 8 30 31,07	1763	Jan. 0	5 3 9,009	— 8 29 29,81
	Apr. 10	41,262	31,72		Apr. 10	9,088	29,33
	Jul. 19	41,187	32,31		Jul. 19	9,170	28,92
	Oct. 27	41,108	32,85		Oct. 27	9,254	28,57
	Dec. 66	41,024	33,33		Dec. 66	9,339	28,28
1754	Jan. 0	5 2 43,928	— 8 30 28,24	1764	Jan. 1	5 3 12,186	— 8 29 23,47
	Apr. 10	43,843	28,68		Apr. 10	12,273	23,23
	Jul. 19	43,756	29,04		Jul. 19	12,359	23,07
	Oct. 27	43,666	29,33		Oct. 27	12,445	22,97
	Dec. 66	43,574	29,55		Dec. 66	12,530	22,94
1755	Jan. 0	5 2 46,480	— 8 30 24,56	1765	Jan. 0	5 3 15,378	— 8 29 18,05
	Apr. 10	46,389	24,73		Apr. 10	15,462	18,07
	Jul. 19	46,299	24,82		Jul. 19	15,544	18,17
	Oct. 27	46,210	24,82		Oct. 27	15,623	18,33
	Dec. 66	46,123	24,74		Dec. 66	15,699	18,57
1756	Jan. 1	5 2 49,028	— 8 30 19,88	1766	Jan. 0	5 3 18,550	— 8 29 13,60
	Apr. 10	48,942	19,76		Apr. 10	18,624	13,88
	Jul. 19	48,861	19,57		Jul. 19	18,698	14,22
	Oct. 27	48,783	19,31		Oct. 27	18,756	14,64
	Dec. 66	48,710	18,97		Dec. 66	18,815	15,12
1757	Jan. 0	5 2 51,610	— 8 30 14,17	1767	Jan. 0	5 3 21,672	— 8 29 10,07
	Apr. 10	51,540	13,78		Apr. 10	21,727	10,58
	Jul. 19	51,477	13,38		Jul. 19	21,775	11,15
	Oct. 27	51,420	12,82		Oct. 27	21,816	11,76
	Dec. 66	51,369	12,25		Dec. 66	21,851	12,43
1758	Jan. 0	5 2 54,261	— 8 30 7,53	1768	Jan. 1	5 3 24,716	— 8 29 7,33
	Apr. 10	54,215	6,92		Apr. 10	24,745	8,02
	Jul. 19	54,177	6,27		Jul. 19	24,767	8,75
	Oct. 27	54,147	5,58		Oct. 27	24,781	9,51
	Dec. 66	54,125	4,85		Dec. 66	24,787	10,29
1759	Jan. 0	5 2 57,007	— 8 30 0,18	1769	Jan. 0	5 3 27,662	— 8 29 5,15
	Apr. 10	56,990	29 59,45		Apr. 10	27,663	5,95
	Jul. 19	56,981	58,69		Jul. 19	27,655	6,76
	Oct. 27	56,980	58,88		Oct. 27	27,639	7,53
	Dec. 66	56,988	57,04		Dec. 66	27,615	8,40

Tabulae X. Sect. I. *β Orionis.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	′	′	′	′				h ′ ″	° ′ ″
Jan. 0	+1,274	+ 1,2	− 2,97	−15,9	+1	+1	1750	5 2 32,0629	− 8 50 40,595
10	+1,264	− 3,1	− 4,49	−14,4	+2	+1	1751	2 34,9382	50 35,648
20	+1,213	− 7,1	− 5,84	−12,4	+2	+1	1752	2 37,8136	50 30,705
30	+1,123	−10,7	− 6,97	−10,2	+2	0	1753	2 40,6890	50 25,766
Febr. 9	+0,999	−13,8	− 7,87	− 7,8	+3	0	1754	2 43,5644	50 20,831
							1755	2 46,4400	50 15,900
19	+0,848	−16,1	− 8,53	− 5,4	+3	0	1756	2 49,3154	50 10,973
Mart. 1	+0,677	−17,6	− 8,94	− 2,9	+3	0	1757	2 52,1910	50 6,051
11	+0,497	−18,0	− 9,10	− 0,4	+3	0	1758	2 55,0666	50 1,133
21	+0,317	−17,5	− 9,01	+ 2,2	+3	−1	1759	2 57,9423	49 56,219
31	+0,148	−16,0	− 8,67	+ 4,6	+3	−1	1760	3 0,8180	49 51,308
							1761	3 3,6937	49 46,402
Apr. 10	−0,002	−13,6	− 8,09	+ 7,1	+2	−1	1762	3 6,5695	49 41,500
20	−0,123	−10,5	− 7,26	+ 9,4	+2	−1	1763	3 9,4453	49 36,602
30	−0,211	− 6,8	− 6,21	+11,7	+2	−1	1764	3 12,3212	49 31,708
Maj. 10	−0,258	− 2,6	− 4,93	+13,8	+1	−2	1765	3 15,1972	49 26,818
20	−0,262	+ 1,8	− 3,46	+15,6	+1	−2	1766	3 18,0732	49 21,934
							1767	3 20,9492	49 17,053
30	−0,223	+ 6,1	− 1,81	+17,2	+1	−2	1768	3 23,8253	49 12,176
Jun. 9	−0,141	+10,3	− 0,03	+18,5	0	−2	1769	3 26,7014	49 7,303
19	−0,017	+14,3	+ 1,88	+19,2	0	−3	1770	3 29,5774	49 2,433
29	+0,144	+17,8	+ 3,81	+19,4	−1	−3			
Jul. 9	+0,339	+20,9	+ 5,76	+19,3	−1	−3			
19	+0,562	+23,5	+ 7,66	+18,4	−1	−3			
29	+0,809	+25,6	+ 9,44	+17,0	−2	−3			
Aug. 8	+1,073	+27,1	+11,05	+15,0	−2	−3			
18	+1,350	+28,0	+12,43	+12,4	−2	−3			
28	+1,633	+28,5	+13,52	+ 9,3	−2	−3			
Sept. 7	+1,919	+28,6	+14,29	+ 5,9	−2	−3			
17	+2,205	+28,3	+14,70	+ 2,3	−2	−3			
27	+2,484	+27,5	+14,74	− 1,5	−2	−3			
Oct. 7	+2,755	+26,5	+14,41	− 5,1	−2	−3			
17	+3,013	+25,0	+13,72	− 8,6	−2	−3			
27	+3,254	+23,1	+12,70	−11,6	−1	−3			
Nov. 6	+3,475	+20,9	+11,40	−14,1	−1	−3			
16	+3,672	+18,3	+ 9,88	−16,0	−1	−3			
26	+3,841	+15,2	+ 8,21	−17,2	0	−3			
Dec. 6	+3,976	+11,7	+ 6,45	−17,7	0	−3			
16	+4,075	+ 7,9	+ 4,68	−17,5	+1	−3			
26	+4,134	+ 3,8	+ 2,96	−16,7	+1	−3			
36	+4,151	− 0,4	+ 1,35	−15,4	+2	−3			

Diei reducto addendum est:

ante } Jun. 7 { + 1
post } { + 2

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. β *Tauri.*

1750	Jan. 0	5 10 31,673	+28 22 10,38	1760	Jan. 1	5 11 6,982	+28 22 47,09
	Apr. 10	31,698	9,60		Apr. 10	6,990	47,91
	Jul. 19	31,712	8,80		Jul. 19	7,009	48,72
	Oct. 27	31,715	7,99		Oct. 27	7,038	49,53
	Dec. 66	31,708	7,17		Dec. 66	7,077	50,32
1751	Jan. 0	5 10 35,491	+28 22 11,54	1761	Jan. 0	5 11 10,843	+28 22 54,09
	Apr. 10	35,476	10,71		Apr. 10	10,889	54,87
	Jul. 19	35,451	9,90		Jul. 19	10,943	55,62
	Oct. 27	35,415	9,09		Oct. 27	11,007	56,34
	Dec. 66	35,369	8,30		Dec. 66	11,078	57,02
1752	Jan. 1	5 10 39,164	+28 22 12,65	1762	Jan. 0	5 11 14,833	+28 23 0,83
	Apr. 10	39,111	11,87		Apr. 10	14,910	1,48
	Jul. 19	39,049	11,13		Jul. 19	14,994	2,09
	Oct. 27	38,978	10,43		Oct. 27	15,084	2,64
	Dec. 66	38,897	9,76		Dec. 66	15,181	3,14
1753	Jan. 0	5 10 42,704	+28 22 14,05	1763	Jan. 0	5 11 18,928	+28 23 7,00
	Apr. 10	42,618	13,42		Apr. 10	19,028	7,46
	Jul. 19	42,525	12,84		Jul. 19	19,132	7,86
	Oct. 27	42,226	12,32		Oct. 27	19,240	8,19
	Dec. 66	42,320	11,85		Dec. 66	19,351	8,46
1754	Jan. 0	5 10 46,135	+28 22 16,07	1764	Jan. 1	5 11 23,094	+28 23 12,40
	Apr. 10	46,026	15,65		Apr. 10	23,206	12,61
	Jul. 19	45,914	15,31		Jul. 19	23,319	12,76
	Oct. 27	45,798	15,03		Oct. 27	23,432	12,84
	Dec. 66	45,680	14,83		Dec. 66	23,545	12,85
1755	Jan. 0	5 10 49,499	+28 22 18,96	1765	Jan. 0	5 11 27,288	+28 23 16,86
	Apr. 10	49,380	18,81		Apr. 10	27,401	16,82
	Jul. 19	49,261	18,74		Jul. 19	27,511	16,71
	Oct. 27	49,143	18,75		Oct. 27	27,618	16,52
	Dec. 66	49,026	18,83		Dec. 66	27,722	16,26
1756	Jan. 1	5 10 52,845	+28 22 22,85	1766	Jan. 0	5 11 31,468	+28 23 20,36
	Apr. 10	52,730	22,99		Apr. 10	31,569	20,06
	Jul. 19	52,619	23,20		Jul. 19	31,664	19,69
	Oct. 27	52,513	23,49		Oct. 27	31,754	19,26
	Dec. 66	52,411	23,85		Dec. 66	31,837	18,76
1757	Jan. 0	5 10 56,224	+28 22 27,77	1767	Jan. 0	5 11 35,590	+28 23 22,94
	Apr. 10	56,127	28,18		Apr. 10	35,670	22,40
	Jul. 19	56,038	28,65		Jul. 19	35,740	21,82
	Oct. 27	55,956	29,18		Oct. 27	35,802	21,18
	Dec. 66	55,882	29,77		Dec. 66	35,855	20,50
1758	Jan. 0	5 10 59,686	+28 22 33,62	1768	Jan. 1	5 11 39,619	+28 23 24,73
	Apr. 10	59,618	34,25		Apr. 10	39,666	24,02
	Jul. 19	59,560	34,92		Jul. 19	39,703	23,28
	Oct. 27	59,512	35,62		Oct. 27	39,730	22,51
	Dec. 66	59,473	36,37		Dec. 66	39,746	21,72
1759	Jan. 0	5 11 3,265	+28 22 40,16	1769	Jan. 0	5 11 43,523	+28 23 25,98
	Apr. 10	3,234	40,93		Apr. 10	43,532	25,17
	Jul. 19	3,213	41,71		Jul. 19	43,531	24,36
	Oct. 27	3,203	42,51		Oct. 27	43,519	23,54
	Dec. 66	3,204	43,33		Dec. 66	43,496	22,71

Tabulae X. Sect. I. *β Tauri.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	′		″					h m s	° ′ ″
Jan. 0	+1,462	+ 4,0	+ 1,76	+ 4,2	+1	−2	1750	5 10 30,4504	+23 22 7,317
10	+1,477	− 1,0	+ 2,17	+ 4,0	+2	−2	1751	10 34,2295	22 11,405
20	+1,443	− 5,7	+ 2,55	+ 3,6	+3	−2	1752	10 38,0087	22 15,487
30	+1,363	−10,2	+ 2,88	+ 2,9	+3	−2	1753	10 41,7880	22 19,564
Febr. 9	+1,240	−13,9	+ 3,13	+ 2,0	+4	−2	1754	10 45,5673	22 23,635
							1755	10 49,3467	22 27,701
19	+1,085	−16,8	+ 3,27	+ 0,9	+4	−1	1756	10 53,1262	22 31,762
Mart. 1	+0,905	−18,7	+ 3,30	− 0,4	+4	−1	1757	10 56,9058	22 35,817
11	+0,712	−19,4	+ 3,20	− 1,6	+4	−1	1758	11 0,6855	22 39,867
21	+0,518	−18,9	+ 2,98	− 2,8	+4	0	1759	11 4,4653	22 43,911
31	+0,335	−17,2	+ 2,64	− 3,8	+4	0	1760	11 8,2452	22 47,949
							1761	11 12,0252	22 51,983
Apr. 10	+0,175	−14,5	+ 2,22	− 4,5	+4	0	1762	11 15,8052	22 56,011
20	+0,046	−10,9	+ 1,74	− 5,0	+3	+1	1763	11 19,5853	23 0,034
30	−0,043	− 6,7	+ 1,23	− 5,1	+3	+1	1764	11 23,3655	23 4,051
Maj. 10	−0,087	− 2,0	+ 0,72	− 4,9	+2	+1	1765	11 27,1459	23 8,063
20	−0,082	+ 3,1	+ 0,25	− 4,4	+2	+1	1766	11 30,9263	23 12,070
							1767	11 34,7068	23 16,071
30	−0,026	+ 8,0	− 0,15	− 3,6	+1	+1	1768	11 38,4874	23 20,067
Jun. 9	+0,078	+12,8	− 0,46	− 2,6	0	0	1769	11 42,2681	23 24,057
19	+0,229	+17,2	− 0,66	− 1,5	0	0	1770	11 46,0488	23 28,041
29	+0,422	+21,2	− 0,75	− 0,3	−1	0			
Jul. 9	+0,652	+24,6	− 0,71	+ 0,9	−1	−1			
19	+0,913	+27,4	− 0,57	+ 1,9	−2	−1			
29	+1,200	+29,7	− 0,33	+ 2,8	−2	−2			
Aug. 8	+1,506	+31,3	− 0,01	+ 3,6	−3	−2			
18	+1,825	+32,3	+ 0,38	+ 4,1	−3	−3			
28	+2,152	+33,0	+ 0,80	+ 4,3	−3	−3			
Sept. 7	+2,484	+33,1	+ 1,24	+ 4,4	−3	−4			
17	+2,814	+32,8	+ 1,67	+ 4,3	−3	−4			
27	+3,140	+32,2	+ 2,09	+ 4,2	−3	−5			
Oct. 7	+3,458	+31,3	+ 2,50	+ 4,0	−3	−6			
17	+3,765	+29,9	+ 2,88	+ 3,7	−2	−6			
27	+4,056	+28,1	+ 3,24	+ 3,6	−2	−6			
Nov. 6	+4,327	+25,9	+ 3,59	+ 3,6	−2	−7			
16	+4,574	+23,2	+ 3,95	+ 3,7	−1	−7			
26	+4,790	+19,9	+ 4,32	+ 3,8	0	−7			
Dec. 6	+4,971	+16,1	+ 4,70	+ 4,0	0	−8			
16	+5,111	+11,8	+ 5,11	+ 4,2	+1	−8			
26	+5,206	+ 7,1	+ 5,58	+ 4,2	+2	−8			
36	+5,253	+ 2,2	+ 5,95	+ 4,1	+3	−8			

Diei reducto addendum est:

ante } Jun. 9 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *a Orionis.*

1750	Jan. 0	5 41 39,712	+ 7 20 12,58	1760	Jan. 1	5 42 10,002	+ 7 20 26,16
	Apr. 10	39,728	11,77		Apr. 10	10,014	26,99
	Jul. 19	39,735	10,96		Jul. 19	10,034	27,80
	Oct. 27	39,733	10,14		Oct. 27	10,064	28,59
	Dec. 66	39,722	9,31		Dec. 66	10,102	29,37
1751	Jan. 0	5 41 42,970	+ 7 20 11,18	1761	Jan. 0	5 42 13,331	+ 7 20 30,67
	Apr. 10	42,952	10,35		Apr. 10	13,375	31,43
	Jul. 19	42,926	9,54		Jul. 19	13,426	32,14
	Oct. 27	42,891	8,75		Oct. 27	13,484	32,82
	Dec. 66	42,847	7,98		Dec. 66	13,549	33,47
1752	Jan. 1	5 41 46,105	+ 7 20 9,83	1762	Jan. 0	5 42 16,770	+ 7 20 34,87
	Apr. 10	46,055	9,08		Apr. 10	16,840	35,41
	Jul. 19	45,998	8,38		Jul. 19	16,915	35,97
	Oct. 27	45,933	7,71		Oct. 27	16,995	36,41
	Dec. 66	45,860	7,09		Dec. 66	17,080	36,89
1753	Jan. 0	5 41 49,128	+ 7 20 8,88	1763	Jan. 0	5 42 20,295	+ 7 20 38,28
	Apr. 10	49,051	8,30		Apr. 10	20,383	38,69
	Jul. 19	48,968	7,78		Jul. 19	20,474	39,07
	Oct. 27	48,881	7,32		Oct. 27	20,568	39,37
	Dec. 66	48,788	6,98		Dec. 66	20,664	39,61
1754	Jan. 0	5 41 52,062	+ 7 20 8,64	1764	Jan. 1	5 42 23,875	+ 7 20 40,94
	Apr. 10	51,967	8,29		Apr. 10	23,972	41,07
	Jul. 19	51,869	8,02		Jul. 19	24,069	41,13
	Oct. 27	51,769	7,83		Oct. 27	24,165	41,15
	Dec. 66	51,667	7,71		Dec. 66	24,262	41,07
1755	Jan. 0	5 41 54,944	+ 7 20 9,32	1765	Jan. 0	5 42 27,473	+ 7 20 42,04
	Apr. 10	54,841	9,25		Apr. 10	27,569	42,51
	Jul. 19	54,740	9,27		Jul. 19	27,662	42,80
	Oct. 27	54,640	9,36		Oct. 27	27,752	42,0
	Dec. 66	54,541	9,53		Dec. 66	27,839	41,77
1756	Jan. 1	5 41 57,817	+ 7 20 11,04	1766	Jan. 0	5 42 31,054	+ 7 20 43,3
	Apr. 10	57,719	11,26		Apr. 10	31,139	42,-
	Jul. 19	57,626	11,56		Jul. 19	31,218	42,-
	Oct. 27	57,538	11,93		Oct. 27	31,291	42,-
	Dec. 66	57,454	12,36		Dec. 66	31,359	41,47
1757	Jan. 0	5 42 0,724	+ 7 20 13,78	1767	Jan. 0	5 42 34,581	+ 7 20 43,15
	Apr. 10	0,644	14,26		Apr. 10	34,645	42,58
	Jul. 19	0,571	14,80		Jul. 19	34,701	41,94
	Oct. 27	0,505	15,40		Oct. 27	34,750	41,25
	Dec. 66	0,445	16,05		Dec. 66	34,792	40,52
1758	Jan. 0	5 42 3,707	+ 7 20 17,39	1768	Jan. 1	5 42 38,022	+ 7 20 42,20
	Apr. 10	3,654	18,07		Apr. 10	38,058	41,54
	Jul. 19	3,608	18,79		Jul. 19	38,085	40,76
	Oct. 27	3,571	19,53		Oct. 27	38,105	39,94
	Dec. 66	3,543	20,33		Dec. 66	38,113	39,14
1759	Jan. 0	5 42 6,795	+ 7 20 21,63	1769	Jan. 0	5 42 41,355	+ 7 20 40,93
	Apr. 10	6,773	22,43		Apr. 10	41,358	40,10
	Jul. 19	6,760	23,24		Jul. 19	41,352	39,23
	Oct. 27	6,756	24,06		Oct. 27	41,337	38,40
	Dec. 66	6,762	24,89		Dec. 66	41,313	37,64

Tabulae X. Sect. I. *a Orientis.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	′	″	′	″				h ′ ″	° ′ ″
Jan. 0	+1,348	+ 6,0	− 1,27	− 8,7	+1	−1	1750	5 41 38,6516	+ 7 20 10,366
10	+1,385	+ 1,5	− 2,09	− 7,7	+1	−1	1751	41 41,8946	20 11,962
20	+1,377	− 3,1	− 2,80	− 6,6	+2	−1	1752	41 45,1376	20 13,554
30	+1,324	− 7,3	− 3,40	− 5,4	+2	−1	1753	41 48,3807	20 15,141
Febr. 9	+1,231	−11,0	− 3,88	− 4,3	+3	−1	1754	41 51,6238	20 16,723
							1755	41 54,8670	20 18,300
19	+1,104	−14,0	− 4,25	− 3,2	+3	−1	1756	41 58,1102	20 19,873
Mart. 1	+0,951	−16,2	− 4,51	− 2,1	+3	−1	1757	42 1,3534	20 21,441
11	+0,781	−17,3	− 4,66	− 1,1	+3	−1	1758	42 4,5966	20 23,004
21	+0,605	−17,4	− 4,72	− 0,1	+3	−1	1759	42 7,8399	20 24,563
31	+0,434	−16,4	− 4,68	+ 1,0	+3	−1	1760	42 11,0831	20 26,117
							1761	42 14,3264	20 27,666
Apr. 10	+0,277	−14,5	− 4,53	+ 2,0	+3	−1	1762	42 17,5697	20 29,210
20	+0,144	−11,8	− 4,28	+ 3,1	+3	−1	1763	42 20,8131	20 30,749
30	+0,042	− 8,4	− 3,91	+ 4,3	+2	−1	1764	42 24,0565	20 32,284
Maj. 10	−0,023	− 4,5	− 3,43	+ 5,4	+2	−1	1765	42 27,3000	20 33,815
20	−0,048	− 0,4	− 2,83	+ 6,6	+1	−1	1766	42 30,5435	20 35,340
							1767	42 33,7870	20 36,861
30	−0,030	+ 4,0	− 2,11	+ 7,7	+1	−1	1768	42 37,0305	20 38,377
Jun. 9	+0,031	+ 8,2	− 1,29	+ 8,8	+1	−1	1769	42 40,2741	20 39,888
19	+0,132	+12,1	− 0,36	+ 9,7	0	−2	1770	42 43,5176	20 41,395
29	+0,272	+15,7	+ 0,64	+10,3	0	−2			
Jul. 9	+0,446	+19,0	+ 1,69	+10,6	−1	−2			
19	+0,651	+21,7	+ 2,76	+10,6	−1	−2			
29	+0,880	+24,0	+ 3,80	+10,1	−2	−2			
Aug. 8	+1,131	+25,9	+ 4,77	+ 9,2	−2	−3			
18	+1,397	+27,2	+ 5,64	+ 8,0	−2	−3			
28	+1,675	+28,2	+ 6,37	+ 6,4	−2	−3			
Sept. 7	+1,961	+28,9	+ 6,91	+ 4,4	−3	−3			
17	+2,252	+29,1	+ 7,24	+ 2,2	−3	−4			
27	+2,542	+29,0	+ 7,35	− 0,1	−3	−4			
Oct. 7	+2,831	+28,6	+ 7,23	− 2,4	−3	−4			
17	+3,113	+27,8	+ 6,88	− 4,5	−2	−4			
27	+3,386	+26,7	+ 6,33	− 6,4	−2	−4			
Nov. 6	+3,644	+24,9	+ 5,60	− 8,0	−2	−4			
16	+3,884	+22,8	+ 4,74	− 9,1	−1	−5			
26	+4,099	+20,0	+ 3,79	− 9,8	−1	−5			
Dec. 6	+4,284	+16,8	+ 2,79	−10,0	0	−5			
16	+4,434	+13,0	+ 1,80	− 9,8	0	−5			
26	+4,544	+ 8,8	+ 0,84	− 9,2	+1	−5			
36	+4,610	+ 4,3	− 0,06	− 8,3	+1	−5			

Diei reducto addendum est:

ante / post } Jun. 16 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *α Canis majoris.*

1750	Jan. 0	6 34 8,628	—16 23 31,96	1760	Jan. 1	6 34 33,296	—16 24 13,46
	Apr. 10	8,643	32,78		Apr. 10	33,304	12,66
	Jul. 19	8,651	33,60		Jul. 19	33,319	11,89
	Oct. 27	8,652	34,41		Oct. 27	33,341	11,14
	Dec. 66	8,646	35,22		Dec. 66	33,371	10,42
1751	Jan. 0	6 34 11,291	—16 23 39,18	1761	Jan. 0	6 34 36,004	—16 24 14,92
	Apr. 10	11,279	39,97		Apr. 10	36,038	14,23
	Jul. 19	11,258	40,73		Jul. 19	36,079	13,59
	Oct. 27	11,231	41,46		Oct. 27	36,125	13,00
	Dec. 66	11,196	42,16		Dec. 66	36,178	12,45
1752	Jan. 1	6 34 13,852	—16 23 46,16	1762	Jan. 0	6 34 38,804	—16 24 16,89
	Apr. 10	13,813	46,83		Apr. 10	38,860	16,38
	Jul. 19	13,767	47,45		Jul. 19	38,921	15,94
	Oct. 27	13,714	48,02		Oct. 27	38,986	15,56
	Dec. 66	13,655	48,53		Dec. 66	39,056	15,25
1753	Jan. 0	6 34 16,320	—16 23 52,59	1763	Jan. 0	6 34 41,676	—16 24 19,61
	Apr. 10	16,257	53,06		Apr. 10	41,748	19,34
	Jul. 19	16,190	53,46		Jul. 19	41,823	19,14
	Oct. 27	16,118	53,80		Oct. 27	41,900	19,02
	Dec. 66	16,042	54,08		Dec. 66	41,979	18,97
1754	Jan. 0	6 34 18,712	—16 23 58,19	1764	Jan. 1	6 34 44,596	—16 24 23,24
	Apr. 10	18,633	58,40		Apr. 10	44,676	23,24
	Jul. 19	18,553	58,53		Jul. 19	44,756	23,31
	Oct. 27	18,470	58,58		Oct. 27	44,836	23,45
	Dec. 66	18,386	58,56		Dec. 66	44,917	23,66
1755	Jan. 0	6 34 21,058	—16 24 2,81	1765	Jan. 0	6 34 47,534	—16 24 27,85
	Apr. 10	20,973	2,73		Apr. 10	47,614	28,11
	Jul. 19	20,889	2,57		Jul. 19	47,691	28,44
	Oct. 27	20,806	2,34		Oct. 27	47,766	28,83
	Dec. 66	20,723	2,03		Dec. 66	47,839	29,28
1756	Jan. 1	6 34 23,394	—16 24 6,38	1766	Jan. 0	6 34 50,459	—16 24 33,40
	Apr. 10	23,313	6,02		Apr. 10	50,530	33,89
	Jul. 19	23,235	5,60		Jul. 19	50,596	34,44
	Oct. 27	23,161	5,11		Oct. 27	50,659	35,04
	Dec. 66	23,090	4,56		Dec. 66	50,717	35,70
1757	Jan. 0	6 34 25,757	—16 24 8,99	1767	Jan. 0	6 34 53,342	—16 24 39,75
	Apr. 10	25,690	8,40		Apr. 10	53,396	40,43
	Jul. 19	25,628	7,76		Jul. 19	53,444	41,15
	Oct. 27	25,571	7,08		Oct. 27	53,487	41,90
	Dec. 66	25,520	6,35		Dec. 66	53,523	42,68
1758	Jan. 0	6 34 28,181	—16 24 10,84	1768	Jan. 1	6 34 56,155	—16 24 46,70
	Apr. 10	28,134	10,09		Apr. 10	56,187	47,49
	Jul. 19	28,095	9,31		Jul. 19	56,211	48,30
	Oct. 27	28,062	8,51		Oct. 27	56,228	49,12
	Dec. 66	28,037	7,70		Dec. 66	56,238	49,94
1759	Jan. 0	6 34 30,688	—16 24 12,22	1769	Jan. 0	6 34 58,879	—16 24 53,96
	Apr. 10	30,663	11,40		Apr. 10	58,884	54,78
	Jul. 19	30,656	10,57		Jul. 19	58,881	55,59
	Oct. 27	30,651	9,76		Oct. 27	58,871	56,38
	Dec. 66	30,654	8,94		Dec. 66	58,853	57,15

Tabulae X. Sect. I. *α Canis majoris.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″				h ′ ″	° ′ ″
Jan. 0	+1,486	+ 8,9	− 1,85	−23,6	0	+1	1750	6 34 7.7542	−16 25 32.668
10	+1,491	+ 4,1	− 4,17	−22,2	+1	+1	1751	34 10.3980	25 36.587
20	+1,507	− 0,8	− 6,29	−20,1	+1	+1	1752	34 13.0417	23 41.109
30	+1,475	− 5,5	− 8,18	−17,6	+1	0	1753	34 15.6855	23 45.335
Febr. 9	+1,397	− 9,8	− 9,81	−14,9	+2	0	1754	34 18.3293	23 49.565
							1755	34 20.9730	23 53.799
19	+1,279	− 8,5	−11,15	−11,9	+2	0	1756	34 23.6168	23 58.037
Mart. 1	+1,128	−16,3	−12,18	− 8,8	+2	0	1757	34 26.2606	24 2.278
11	+0,954	−18,2	−12,90	− 5,6	+2	−1	1758	34 28.9044	24 6.524
21	+0,765	−19,1	−13,29	− 2,4	+3	−1	1759	34 31.5482	24 10.773
31	+0,572	−19,0	−13,37	+ 0,8	+2	−1	1760	34 34.1920	24 15.025
							1761	24 36.8358	24 19.282
Apr. 10	+0,385	−18,0	−13,14	+ 3,9	+2	−1	1762	34 39.4796	24 23.542
20	+0,213	−16,1	−12,60	+ 6,8	+2	−2	1763	34 42.1234	24 27.807
30	+0,064	−13,4	−11,78	+ 9,6	+2	−2	1764	34 44.7672	24 32.075
Maj. 10	−0,055	−10,2	−10,68	+12,3	+2	−2	1765	34 47.4111	24 36.347
20	−0,139	− 6,6	− 9,33	+14,6	+2	−2	1766	34 50.0549	24 40.622
							1767	34 52.6988	24 44.902
30	−0,186	− 2,8	− 7,76	+16,7	+1	−3	1768	34 55.3426	24 49.185
Jun. 9	−0,194	+ 1,2	− 5,99	+18,4	+1	−3	1769	34 57.9865	24 53.472
19	−0,162	+ 5,2	− 4,08	+19,6	0	−3	1770	35 0.6303	24 57.763
29	−0,091	+ 8,9	− 2,07	+20,4	0	−3			
Jul. 9	+0,016	+12,4	0,00	+20,6	0	−3			
19	+0,157	+15,6	+ 2,04	+20,0	−1	−3			
29	+0,329	+18,6	+ 4,00	+18,9	−1	−3			
Aug. 8	+0,529	+21,2	+ 5,81	+17,0	−1	−3			
18	+0,752	+23,4	+ 7,40	+14,5	−2	−3			
28	+0,996	+25,3	+ 8,71	+11,4	−2	−3			
Sept. 7	+1,257	+26,8	+ 9,67	+ 7,7	−2	−3			
17	+1,531	+27,9	+10,24	+ 3,6	−2	−3			
27	+1,815	+28,7	+10,39	− 0,8	−2	−3			
Oct. 7	+2,104	+29,1	+10,08	− 5,3	−2	−3			
17	+2,396	+29,0	+ 9,34	− 9,6	−2	−2			
27	+2,688	+28,3	+ 8,17	−13,7	−2	−2			
Nov. 6	+2,962	+27,2	+ 6,61	−17,3	−2	−2			
16	+3,227	+25,4	+ 4,72	−20,2	−2	−2			
26	+3,470	+22,9	+ 2,57	−22,4	−1	−2			
Dec. 6	+3,685	+19,8	+ 0,24	−23,8	−1	−2			
16	+3,865	+16,0	− 2,19	−24,4	−1	−2			
26	+4,005	+11,8	− 4,63	−24,1	0	−2			
36	+4,100	+ 7,1	− 7,00	−23,3	0	−3			

Diei reducto addendum est:

ante / post } Jun. 29 { +1 / +2

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *α Geminorum.*

		α			δ		
1750	Jan. 0	7	18	37,565	+32	24	30,87
	Apr. 10			37,572			30,07
	Jul. 19			37,569			29,28
	Oct. 27			37,553			28,51
	Dec. 66			37,528			27,75
1751	Jan. 0	7	18	41,390	+32	24	21,18
	Apr. 10			41,357			20,44
	Jul. 19			41,313			19,75
	Oct. 27			41,260			19,11
	Dec. 66			41,196			18,48
1752	Jan. 1	7	18	45,070	+32	24	11,85
	Apr. 10			45,000			11,27
	Jul. 19			44,921			10,75
	Oct. 27			44,834			10,29
	Dec. 66			44,738			9,89
1753	Jan. 0	7	18	48,623	+32	24	8,19
	Apr. 10			48,523			2,83
	Jul. 19			48,417			2,55
	Oct. 27			48,306			2,34
	Dec. 66			48,190			2,21
1754	Jan. 0	7	18	52,081	+32	23	55,41
	Apr. 10			51,962			55,33
	Jul. 19			51,842			55,32
	Oct. 27			51,721			55,39
	Dec. 66			51,598			55,54
1755	Jan. 0	7	18	55,491	+32	23	48,64
	Apr. 10			55,368			48,84
	Jul. 19			55,248			49,11
	Oct. 27			55,130			49,45
	Dec. 66			55,015			49,87
1756	Jan. 1	7	18	58,905	+32	23	42,87
	Apr. 10			58,793			43,33
	Jul. 19			58,687			43,84
	Oct. 27			58,588			44,41
	Dec. 66			58,495			45,04
1757	Jan. 0	7	19	2,377	+32	23	37,97
	Apr. 10			2,289			38,63
	Jul. 19			2,210			39,33
	Oct. 27			2,140			40,05
	Dec. 66			2,080			40,82
1758	Jan. 0	7	19	5,950	+32	23	33,70
	Apr. 10			5,896			34,48
	Jul. 19			5,853			35,28
	Oct. 27			5,821			36,08
	Dec. 66			5,800			36,89
1759	Jan. 0	7	19	9,657	+32	23	29,76
	Apr. 10			9,643			30,57
	Jul. 19			9,640			31,36
	Oct. 27			9,649			32,14
	Dec. 66			9,669			32,91
1760	Jan. 1	7	19	13,511	+32	23	25,79
	Apr. 10			13,538			26,53
	Jul. 19			13,575			27,24
	Oct. 27			13,621			27,92
	Dec. 66			13,678			28,56
1761	Jan. 0	7	19	17,509	+32	23	21,47
	Apr. 10			17,572			22,07
	Jul. 19			17,643			22,62
	Oct. 27			17,722			23,11
	Dec. 66			17,810			23,55
1762	Jan. 0	7	19	21,631	+32	23	16,54
	Apr. 10			21,723			16,93
	Jul. 19			21,820			17,26
	Oct. 27			21,923			17,52
	Dec. 66			22,031			17,72
1763	Jan. 0	7	19	25,845	+32	23	10,77
	Apr. 10			25,955			10,92
	Jul. 19			26,068			11,00
	Oct. 27			26,183			11,00
	Dec. 66			26,300			10,93
1764	Jan. 1	7	19	30,111	+32	23	4,07
	Apr. 10			30,228			3,96
	Jul. 19			30,344			3,78
	Oct. 27			30,459			3,52
	Dec. 66			30,573			3,20
1765	Jan. 0	7	19	34,385	+32	22	56,42
	Apr. 10			34,497			56,06
	Jul. 19			34,604			55,64
	Oct. 27			34,707			55,16
	Dec. 66			34,805			54,62
1766	Jan. 0	7	19	38,623	+32	22	47,90
	Apr. 10			38,718			47,33
	Jul. 19			38,805			46,71
	Oct. 27			38,885			46,05
	Dec. 66			38,957			45,35
1767	Jan. 0	7	19	42,784	+32	22	38,68
	Apr. 10			42,850			37,95
	Jul. 19			42,907			37,20
	Oct. 27			42,955			36,43
	Dec. 66			42,993			35,64
1768	Jan. 1	7	19	46,832	+32	22	28,99
	Apr. 10			46,863			28,19
	Jul. 19			46,883			27,39
	Oct. 27			46,893			26,59
	Dec. 66			46,892			25,80
1769	Jan. 0	7	19	50,744	+32	22	19,14
	Apr. 10			50,735			18,36
	Jul. 19			50,715			17,60
	Oct. 27			50,685			16,86
	Dec. 66			50,643			16,15

Tabulae X. Sect. I. *a Geminorum.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
			′	″				h ′ ″	° ′ ″
Jan. 0	+1,587	+18,3	− 5,76	+ 3,7	−1	−3	1750	7 18 36.2750	+32 24 31.474
10	+1,743	+12,8	− 3,31	+ 5,3	−1	−3	1751	18 40.1273	24 24.650
20	+1,842	+ 7,0	− 2,71	+ 6,6	0	−3	1752	18 43.9794	24 17.820
30	+1,882	+ 1,1	− 2,00	+ 7,5	+1	−4	1753	18 47.8314	24 10.985
Febr. 9	+1,864	− 4,5	− 1,22	+ 7,9	+1	−4	1754	18 51.6833	24 4.145
							1755	18 55.5350	23 57.300
19	+1,798	− 9,5	− 0,42	+ 7,8	+2	−4	1756	18 59.3866	23 50.449
Mar. 1	+1,675	−13,7	+ 0,34	+ 7,3	+3	−3	1757	19 3.2381	23 43.593
11	+1,520	−16,8	+ 1,03	+ 6,4	+3	−3	1758	19 7.0895	23 36.732
21	+1,339	−18,8	+ 1,61	+ 5,1	+3	−3	1759	19 10.9408	23 29.866
31	+1,144	−19,6	+ 2,04	+ 3,5	+4	−2	1760	19 14.7920	23 22.994
							1761	19 18.6430	23 16.117
Apr. 10	+0,948	−19,2	+ 2,31	+ 1,9	+4	−2	1762	19 22.4939	23 9.239
20	+0,760	−17,7	+ 2,41	+ 0,2	+4	−2	1763	19 26.3447	23 2.348
30	+0,593	−15,3	+ 2,34	− 1,5	+4	−1	1764	19 30.1953	22 55.455
Maj. 10	+0,454	−12,2	+ 2,12	− 2,8	+3	−1	1765	19 34.0458	22 48.557
20	+0,350	− 8,4	+ 1,78	− 4,2	+3	−1	1766	19 37.8962	22 41.654
							1767	19 41,7465	22 34,745
30	+0,286	− 4,5	+ 1,29	− 5,3	+3	0	1768	19 45.5966	22 27.831
Jun. 9	+0,265	+ 0,1	+ 0,73	− 6,0	+2	0	1769	19 49.4466	22 20.912
19	+0,287	+ 4,4	+ 0,10	− 6,6	+1	0	1770	19 53,2965	22 13,988
29	+0,352	+ 8,5	− 0,58	− 7,0	+1	0			
Jul. 9	+0,457	+12,5	− 1,29	− 7,2	0	0			
19	+0,601	+16,2	− 2,01	− 7,3	−1	0			
29	+0,780	+19,5	− 2,75	− 7,4	−1	0			
Aug. 8	+0,991	+22,6	− 3,48	− 7,4	−2	0			
18	+1,231	+25,3	− 4,23	− 7,5	−3	−1			
28	+1,496	+27,6	− 4,97	− 7,5	−3	−1			
Sept. 7	+1,783	+29,8	− 5,73	− 7,6	−4	−1			
17	+2,091	+31,6	− 6,48	− 7,6	−4	−2			
27	+2,414	+33,1	− 7,24	− 7,5	−5	−2			
Oct. 7	+2,752	+34,3	− 7,98	− 7,3	−5	−3			
17	+3,100	+35,1	− 8,70	− 6,9	−5	−4			
27	+3,453	+35,4	− 9,36	− 6,3	−5	−4			
Nov. 6	+3,807	+35,1	− 9,95	− 5,4	−5	−5			
16	+4,154	+34,0	−10,44	− 4,2	−5	−6			
26	+4,487	+32,2	−10,79	− 2,8	−5	−6			
Dec. 6	+4,798	+29,5	−10,99	− 1,1	−4	−7			
16	+5,076	+25,8	−11,01	+ 0,8	−4	−7			
26	+5,314	+21,4	−10,84	+ 2,6	−3	−8			
36	+5,503	+16,3	−10,49	+ 4,2	−2	−8			

Diei reducto addendum est:

ante / post } Jul. 10 { + 1 / + 2

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *α Canis minoris.*

		h ′ ″	° ′ ″			h ′ ″	° ′ ″
1750	Jan. 0	7 26 13,077	+ 5 50 40,74	1760	Jan. 1	7 26 42,461	+ 5 49 19,9
	Apr. 10	13,090	39,94		Apr. 10	42,475	20,0
	Jul. 19	13,095	39,16		Jul. 19	42,498	21,3
	Oct. 27	13,090	38,40		Oct. 27	42,530	22,0
	Dec. 66	13,076	37,66		Dec. 66	42,570	22,0
1751	Jan. 0	7 26 16,232	+ 5 50 29,46	1761	Jan. 0	7 26 45,705	+ 5 49 13,9
	Apr. 10	16,212	28,73		Apr. 10	45,750	14,3
	Jul. 19	16,184	28,05		Jul. 19	45,803	15,0
	Oct. 27	16,146	27,41		Oct. 27	45,862	15,8
	Dec. 66	16,100	26,82		Dec. 66	45,929	15,8
1752	Jan. 1	7 26 19,267	+ 5 50 18,57	1762	Jan. 0	7 26 49,056	+ 5 49 7,2
	Apr. 10	19,215	18,00		Apr. 10	49,127	7,7
	Jul. 19	19,156	17,50		Jul. 19	49,202	8,0
	Oct. 27	19,090	17,06		Oct. 27	49,283	8,4
	Dec. 66	19,016	16,69		Dec. 66	49,368	8,8
1753	Jan. 0	7 26 22,192	+ 5 50 8,35	1763	Jan. 0	7 26 52,489	+ 5 48 59,3
	Apr. 10	22,114	8,02		Apr. 10	52,577	49 0,5
	Jul. 19	22,031	7,76		Jul. 19	52,667	0,3
	Oct. 27	21,943	7,58		Oct. 27	52,760	0,3
	Dec. 66	21,851	7,47		Dec. 66	52,856	48 59,8
1754	Jan. 0	7 26 25,032	+ 5 49 59,04	1764	Jan. 1	7 26 55,973	+ 5 48 51,7
	Apr. 10	24,937	58,98		Apr. 10	56,069	51,3
	Jul. 19	24,839	58,99		Jul. 19	56,165	51,2
	Oct. 27	24,740	59,09		Oct. 27	56,260	50,9
	Dec. 66	24,639	59,26		Dec. 66	56,355	50,7
1755	Jan. 0	7 26 27,823	+ 5 49 50,73	1765	Jan. 0	7 26 59,473	+ 5 48 42,4
	Apr. 10	27,722	50,95		Apr. 10	59,567	41,8
	Jul. 19	27,622	51,24		Jul. 19	59,658	41,3
	Oct. 27	27,523	51,60		Oct. 27	59,746	41,0
	Dec. 66	27,426	52,03		Dec. 66	59,831	40,9
1756	Jan. 1	7 26 30,608	+ 5 49 43,41	1766	Jan. 0	7 27 2,953	+ 5 48 [illegible]
	Apr. 10	30,513	43,88		Apr. 10	3,035	[illegible]
	Jul. 19	30,423	44,42		Jul. 19	3,111	[illegible]
	Oct. 27	30,337	45,00		Oct. 27	3,182	[illegible]
	Dec. 66	30,255	45,64		Dec. 66	3,247	[illegible]
1757	Jan. 0	7 26 33,432	+ 5 49 36,95	1767	Jan. 0	7 27 6,876	+ 5 48 21,[illegible]
	Apr. 10	33,354	37,62		Apr. 10	6,937	[illegible]
	Jul. 19	33,284	38,32		Jul. 19	6,990	19,[illegible]
	Oct. 27	33,220	39,06		Oct. 27	7,036	18,[illegible]
	Dec. 66	33,164	39,83		Dec. 66	6,575	18,[illegible]
1758	Jan. 0	7 26 36,332	+ 5 49 31,09	1768	Jan. 1	7 27 9,712	+ 5 48 [illegible]
	Apr. 10	36,281	31,88		Apr. 10	9,745	[illegible]
	Jul. 19	36,238	32,67		Jul. 19	9,769	[illegible]
	Oct. 27	36,204	33,47		Oct. 27	9,785	[illegible]
	Dec. 66	36,179	34,28		Dec. 66	9,792	[illegible]
1759	Jan. 0	7 26 39,337	+ 5 49 25,53	1769	Jan. 0	7 27 12,940	+ 5 47 5[illegible]
	Apr. 10	39,318	26,34		Apr. 10	12,941	[illegible]
	Jul. 19	39,308	27,13		Jul. 19	12,932	[illegible]
	Oct. 27	39,307	27,90		Oct. 27	12,915	[illegible]
	Dec. 66	39,315	28,66		Dec. 66	12,888	[illegible]

Tabulae X. Sect. I. *α Canis minoris.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″				h ′ ″	° ′ ″
Jan. 0	+1,343	+15,7	− 2,35	−13,1	−1	0	1750	7 26 12,0252	+ 5 50 41,561
10	+1,477	+11,0	− 3,59	−11,7	0	0	1751	26 15,1754	50 33,117
20	+1,563	+ 6,1	− 4,68	−10,0	0	−1	1752	26 18,3256	50 24,669
30	+1,599	+ 1,2	− 5,59	− 8,2	+1	−1	1753	26 21,4758	50 16,217
Febr. 9	+1,586	− 3,7	− 6,31	− 6,4	+1	−1	1754	26 24,6259	50 7,761
							1755	26 27,7760	49 59,300
19	+1,526	− 7,9	− 6,87	− 4,7	+2	−1	1756	26 30,9260	49 50,836
Mart. 1	+1,428	−11,5	− 7,25	− 3,1	+2	−2	1757	26 34,0760	49 42,367
11	+1,297	−14,3	− 7,48	− 1,7	+2	−2	1758	26 37,2259	49 33,894
21	+1,143	−16,0	− 7,58	− 0,4	+3	−2	1759	26 40,3758	49 25,417
31	+0,978	−16,7	− 7,55	+ 0,9	+3	−2	1760	26 43,5257	49 16,935
							1761	26 46,6755	49 8,449
Apr. 10	+0,810	−16,4	− 7,41	+ 1,9	+3	−2	1762	26 49,8253	48 59,959
20	+0,650	−15,3	− 7,18	+ 2,8	+3	−2	1763	26 52,9750	48 51,465
30	+0,505	−13,4	− 6,85	+ 3,7	+3	−2	1764	26 56,1247	48 42,967
Maj. 10	+0,383	−10,8	− 6,44	+ 4,6	+2	−2	1765	26 59,2743	48 34,464
20	+0,290	− 7,7	− 5,93	+ 5,4	+2	−2	1766	27 2,4239	48 25,957
							1767	27 5,5735	48 17,446
30	+0,229	− 4,4	− 5,36	+ 6,1	+2	−2	1768	27 8,7230	48 8,931
Jun. 9	+0,203	− 0,9	− 4,72	+ 6,8	+1	−2	1769	27 11,8725	48 0,412
19	+0,212	+ 2,7	− 4,01	+ 7,3	+1	−2	1770	27 15,0219	47 51,888
29	+0,257	+ 6,2	− 3,26	+ 7,6	+1	−2			
Jul. 9	+0,335	+ 9,4	− 2,49	+ 7,7	0	−2			
19	+0,445	+12,5	− 1,72	+ 7,5	0	−2			
29	+0,585	+15,4	− 0,99	+ 6,9	−1	−2			
Aug. 8	+0,753	+18,0	− 0,34	+ 6,0	−1	−2			
18	+0,945	+20,4	+ 0,20	+ 4,7	−2	−2			
28	+1,160	+22,5	+ 0,59	+ 3,0	−2	−2			
Sept. 7	+1,395	+24,4	+ 0,80	+ 1,0	−2	−2			
17	+1,648	+26,2	+ 0,79	− 1,3	−3	−2			
27	+1,918	+27,7	+ 0,54	− 3,8	−3	−2			
Oct. 7	+2,201	+28,8	+ 0,04	− 6,2	−3	−2			
17	+2,494	+29,6	− 0,70	− 8,5	−3	−3			
27	+2,793	+30,0	− 1,66	−10,7	−3	−3			
Nov. 6	+3,094	+29,9	− 2,83	−12,5	−3	−3			
16	+3,390	+29,1	− 4,16	−13,8	−3	−3			
26	+3,676	+27,6	− 5,59	−14,6	−3	−3			
Dec. 6	+3,942	+25,3	− 7,08	−14,9	−2	−4			
16	+4,181	+22,2	− 8,57	−14,6	−2	−4			
26	+4,385	+18,3	−10,00	−13,8	−2	−4			
36	+4,548	+14,0	−11,32	−12,6	−1	−5			

Diei reducto addendum est:

ante } Jul. 12 { +1
post } { +2

In mensa. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *β Geminorum.*

1750	Jan. 0	7 30 0,171	+28 36 18,64	1760	Jan. 1	7 30 34,619	+28 35 4.60
	Apr. 10	0,178	17,85		Apr. 10	34,645	5.72
	Jul. 19	0,174	17,07		Jul. 19	34,681	6.41
	Oct. 27	0,160	16,32		Oct. 27	34,726	7.06
	Dec. 66	0,135	15,58		Dec. 66	34,781	7.67
1751	Jan. 0	7 30 3,838	+28 36 8,08	1761	Jan. 0	7 30 38,454	+28 34 59.93
	Apr. 10	3,806	7,36		Apr. 10	38,516	35 0.25
	Jul. 19	3,764	6,69		Jul. 19	38,585	0.78
	Oct. 27	3,712	6,06		Oct. 27	38,662	1.42
	Dec. 66	3,650	5,47		Dec. 66	38,746	1.6.
1752	Jan. 1	7 30 7,366	+28 35 57,91	1762	Jan. 0	7 30 42,410	+28 34 53.7.
	Apr. 10	7,298	57,36		Apr. 10	42,499	54.0
	Jul. 19	7,221	56,87		Jul. 19	42,593	54.3
	Oct. 27	7,136	56,44		Oct. 27	42,692	54.5
	Dec. 66	7,043	56,07		Dec. 66	42,797	54.7
1753	Jan. 0	7 30 10,769	+28 35 48,43	1763	Jan. 0	7 30 46,454	+28 34 46..
	Apr. 10	10,672	48,11		Apr. 10	46,561	47..
	Jul. 19	10,570	47,87		Jul. 19	46,670	47..
	Oct. 27	10,463	47,69		Oct. 27	46,781	47..
	Dec. 66	10,350	47,59		Dec. 66	46,894	46..
1754	Jan. 0	7 30 14,082	+28 35 39,86	1764	Jan. 1	7 30 50,549	+28 34 39..
	Apr. 10	13,967	39,81		Apr. 10	50,663	38..
	Jul. 19	13,851	39,83		Jul. 19	50,775	38..
	Oct. 27	13,733	39,94		Oct. 27	50,886	38..
	Dec. 66	13,614	40,12		Dec. 66	50,996	38..
1755	Jan. 0	7 30 17,348	+28 35 32,28	1765	Jan. 0	7 30 54,652	+28 34 30..
	Apr. 10	17,229	32,51		Apr. 10	54,760	30..
	Jul. 19	17,113	32,81		Jul. 19	54,863	29..
	Oct. 27	16,999	33,18		Oct. 27	54,963	29..
	Dec. 66	16,888	33,62		Dec. 66	55,058	28..
1756	Jan. 1	7 30 20,618	+28 35 25,69	1766	Jan. 0	7 30 58,719	+28 34 21..
	Apr. 10	20,510	26,17		Apr. 10	58,810	20..
	Jul. 19	20,407	26,71		Jul. 19	58,894	19..
	Oct. 27	20,311	27,30		Oct. 27	58,971	19..
	Dec. 66	20,221	27,94		Dec. 66	59,041	18..
1757	Jan. 0	7 30 23,944	+28 35 19,94	1767	Jan. 0	7 31 2,711	+28 34 10..
	Apr. 10	23,859	20,61		Apr. 10	2,775	10..
	Jul. 19	23,783	21,32		Jul. 19	2,830	9..
	Oct. 27	23,716	22,06		Oct. 27	2,876	8..
	Dec. 66	23,657	22,83		Dec. 66	2,913	7.73
1758	Jan. 0	7 30 27,369	+28 35 14,79	1768	Jan. 1	7 31 6,594	+28 34 0..
	Apr. 10	27,316	15,58		Apr. 10	6,624	33 59..
	Jul. 19	27,274	16,37		Jul. 19	6,644	58.63
	Oct. 27	27,244	17,17		Oct. 27	6,653	57.84
	Dec. 66	27,224	17,97		Dec. 66	6,652	57.05
1759	Jan. 0	7 30 30,923	+28 35 9,92	1769	Jan. 0	7 31 10,345	+28 33 49.49
	Apr. 10	30,909	10,72		Apr. 10	10,337	48.72
	Jul. 19	30,907	11,51		Jul. 19	10,318	47.97
	Oct. 27	30,915	12,28		Oct. 27	10,288	47.26
	Dec. 66	30,934	13,03		Dec. 66	10,248	46.57

Tabulae X. Sect. I. *β Geminorum.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″				h m s	° ′ ″
Jan. 0	+1,510	+18,9	− 4,06	+ 0,9	−1	−2	1750	7 29 58,9224	+28 36 19,576
10	+1,672	+13,5	− 3,88	+ 2,6	−1	−3	1751	30 2,6165	36 11,831
20	+1,780	+ 8,0	− 3,54	+ 4,1	0	−3	1752	30 6,3105	36 4,081
30	+1,831	+ 2,3	− 3,06	+ 5,3	+1	−3	1753	30 10,0044	35 56,326
Febr. 9	+1,825	− 3,3	− 2,48	+ 6,1	+1	−3	1754	30 13,6982	35 48,566
							1755	30 17,3920	35 40,800
19	+1,766	− 8,2	− 1,85	+ 6,4	+2	−3	1756	30 21,0854	35 33,090
Mart. 1	+1,662	−12,3	− 1,20	+ 6,4	+2	−3	1757	30 24,7788	35 25,255
11	+1,520	−15,6	− 0,58	+ 5,8	+3	−3	1758	30 28,4721	35 17,475
21	+1,351	−17,7	− 0,04	+ 5,0	+3	−3	1759	30 32,1653	35 9,690
31	+1,167	−18,6	+ 0,41	+ 3,9	+3	−2	1760	30 35,8584	35 1,901
							1761	30 39,5513	34 54,107
Apr. 10	+0,979	−18,5	+ 0,74	+ 2,6	+4	−2	1762	30 43,2441	34 46,307
20	+0,798	−17,3	+ 0,93	+ 1,3	+4	−2	1763	30 46,9368	34 38,503
30	+0,634	−15,1	+ 0,99	− 0,1	+3	−1	1764	30 50,6294	34 30,693
Maj. 10	+0,496	−12,2	+ 0,92	− 1,2	+3	−1	1765	30 54,3218	34 22,879
20	+0,390	− 8,8	+ 0,75	− 2,4	+3	−1	1766	30 58,0141	34 15,060
							1767	31 1,7063	34 7,236
30	+0,321	− 5,0	+ 0,45	− 3,3	+2	−1	1768	31 5,3984	33 59,407
Jun. 9	+0,291	− 1,0	+ 0,09	− 3,9	+2	0	1769	31 9,0904	33 51,574
19	+0,302	+ 3,1	− 0,33	− 4,5	+1	0	1770	31 12,7822	33 43,735
29	+0,353	+ 7,1	− 0,81	− 5,0	+1	0			
Jul. 9	+0,443	+10,9	− 1,32	− 5,3	0	0			
19	+0,570	+14,4	− 1,86	− 5,5	0	0			
29	+0,730	+17,6	− 2,42	− 5,8	−1	0			
Aug. 8	+0,922	+20,6	− 3,01	− 6,1	−2	0			
18	+1,141	+23,2	− 3,63	− 6,4	−2	−1			
28	+1,386	+25,7	− 4,29	− 6,8	−3	−1			
Sept. 7	+1,654	+27,8	− 4,98	− 7,2	−3	−1			
17	+1,942	+29,7	− 5,72	− 7,6	−4	−2			
27	+2,248	+31,4	− 6,49	− 7,9	−4	−2			
Oct. 7	+2,569	+32,7	− 7,29	− 8,1	−5	−3			
17	+2,902	+33,7	− 8,11	− 8,2	−5	−3			
27	+3,242	+34,2	− 8,92	− 7,9	−5	−4			
Nov. 6	+3,585	+34,1	− 9,69	− 7,4	−5	−4			
16	+3,924	+33,3	−10,39	− 6,5	−5	−5			
26	+4,251	+31,7	−10,99	− 5,3	−4	−5			
Dec. 6	+4,558	+29,3	−11,45	− 3,8	−4	−6			
16	+4,836	+25,9	−11,75	− 2,1	−4	−7			
26	+5,076	+21,7	−11,87	− 0,3	−3	−7			
36	+5,270	+16,9	−11,80	+ 1,5	−2	−7			

Diei reducto addendum est:

ante / post } Jul. 13 { + 1 / + 2

In mensa. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *α Hydrae.*

		h ′ ″	° ′ ″			h ′ ″	° ′ ″
1750	Jan. 0	9 15 19,013	— 7 35 25,07	1760	Jan. 1	9 15 46,554	— 7 37 44,5
	Apr. 10	19,033	25,68		Apr. 10	46,560	44,5
	Jul. 19	19,045	24,25		Jul. 19	46,573	43,5
	Oct. 27	19,048	24,78		Oct. 27	46,595	45,5
	Dec. 66	19,043	25,27		Dec. 66	46,625	45,5
1751	Jan. 0	9 15 21,994	— 7 35 40,20	1761	Jan. 0	9 15 49,563	— 7 37 58,5
	Apr. 10	21,983	40,66		Apr. 10	49,598	58,5
	Jul. 19	21,964	41,05		Jul. 19	49,640	57,5
	Oct. 27	21,936	41,40		Oct. 27	49,689	57,5
	Dec. 66	21,900	41,68		Dec. 66	49,745	57,5
1752	Jan. 1	9 15 24,862	— 7 35 56,68	1762	Jan. 0	9 15 52,674	— 7 38 1,5
	Apr. 10	24,821	56,92		Apr. 10	52,734	1,5
	Jul. 19	24,772	57,10		Jul. 19	52,799	1,5
	Oct. 27	24,617	57,21		Oct. 27	52,869	1,5
	Dec. 66	24,654	57,25		Dec. 66	52,945	1,5
1753	Jan. 0	9 15 27,624	— 7 36 12,34	1763	Jan. 0	9 15 55,867	— 7 38 2,5
	Apr. 10	27,557	12,34		Apr. 10	55,945	2,5
	Jul. 19	27,485	12,27		Jul. 19	56,026	2,5
	Oct. 27	27,407	12,13		Oct. 27	56,110	2,5
	Dec. 66	27,324	11,92		Dec. 66	56,197	2,5
1754	Jan. 0	9 15 30,301	— 7 36 27,09	1764	Jan. 1	9 15 59,116	— 7 38 44,5
	Apr. 10	30,216	26,84		Apr. 10	59,204	44,5
	Jul. 19	30,128	26,53		Jul. 19	59,292	44,5
	Oct. 27	30,038	26,16		Oct. 27	59,381	45,5
	Dec. 66	29,945	25,73		Dec. 66	59,470	45,5
1755	Jan. 0	9 15 32,925	— 7 36 40,98	1765	Jan. 0	9 16 2,388	— 7 39 0,5
	Apr. 10	32,851	40,51		Apr. 10	2,477	1,5
	Jul. 19	32,738	39,99		Jul. 19	2,563	2,5
	Oct. 27	32,646	39,43		Oct. 27	2,647	2,5
	Dec. 66	32,554	38,83		Dec. 66	2,728	3,5
1756	Jan. 1	9 15 35,533	— 7 36 54,18	1766	Jan. 0	9 16 5,650	— 7 39 1,5
	Apr. 10	35,443	53,50		Apr. 10	5,729	1,5
	Jul. 19	35,356	52,85		Jul. 19	5,804	1,5
	Oct. 27	35,273	52,17		Oct. 27	5,874	2,5
	Dec. 66	35,194	51,46		Dec. 66	5,940	2,5
1757	Jan. 0	9 15 38,168	— 7 37 6,80	1767	Jan. 0	9 16 8,867	— 7 39 3,5
	Apr. 10	38,092	6,08		Apr. 10	8,929	3,5
	Jul. 19	38,022	5,36		Jul. 19	8,985	3,5
	Oct. 27	37,957	4,64		Oct. 27	9,034	3,5
	Dec. 66	37,899	3,92		Dec. 66	9,076	3,5
1758	Jan. 0	9 15 40,866	— 7 37 19,26	1768	Jan. 1	9 16 12,011	— 7 39 3,5
	Apr. 10	40,813	18,55		Apr. 10	12,049	4,5
	Jul. 19	40,767	17,85		Jul. 19	12,078	4,5
	Oct. 27	40,729	17,17		Oct. 27	12,100	5,5
	Dec. 66	40,698	16,52		Dec. 66	12,113	5,5
1759	Jan. 0	9 15 43,656	— 7 37 31,84	1769	Jan. 0	9 16 15,058	— 7 40 10,5
	Apr. 10	43,631	31,20		Apr. 10	15,066	11,5
	Jul. 19	43,614	30,61		Jul. 19	15,066	12,5
	Oct. 27	43,606	30,05		Oct. 27	15,057	12,5
	Dec. 66	43,606	29,54		Dec. 66	15,040	12,5

Tabulae X. Sect. I. *α Hydrae.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″				h ′ ″	° ′ ″
Jan. 0	+1,066	+22,4	— 0,09	—22,4	—2	+2	1750	9 15 18,0576	— 7 35 19,256
10	+1,292	+20,4	— 2,30	—21,5	—1	+1	1751	15 21,0061	35 34,339
20	+1,474	+15,8	— 4,39	—20,4	—1	+1	1752	15 23,9546	35 49,425
30	+1,608	+10,9	— 6,32	—18,3	0	+1	1753	15 26,9031	36 4,514
Febr. 9	+1,692	+ 6,0	— 8,05	—16,1	0	0	1754	15 29,8516	36 19,606
							1755	15 32,8000	36 34,700
19	+1,727	+ 1,2	— 9,54	—13,7	+1	0	1756	15 35,7484	36 49,797
Mart. 1	+1,716	— 3,2	—10,79	—11,2	+1	0	1757	15 38,6968	37 4,896
11	+1,663	— 7,0	—11,78	— 8,7	+1	—1	1758	15 41,6452	37 19,999
21	+1,577	—10,0	—12,52	— 6,2	+2	—1	1759	15 44,5936	37 35,104
31	+1,463	—12,3	—13,02	— 3,9	+2	—1	1760	15 47,5420	37 50,212
							1761	15 50,4904	38 5,322
Apr. 10	+1,332	—13,6	—13,30	— 1,7	+2	—2	1762	15 53,4387	38 20,436
20	+1,191	—14,2	—13,35	+ 0,5	+3	—2	1763	15 56,3870	38 35,552
30	+1,049	—14,0	—13,20	+ 2,5	+3	—2	1764	15 59,3353	38 50,671
Maj. 10	+0,912	—13,2	—12,85	+ 4,4	+3	—2	1765	16 2,2836	39 5,792
20	+0,785	—11,9	—12,33	+ 6,1	+3	—2	1766	16 5,2319	39 20,916
							1767	16 8,1802	39 36,043
30	+0,675	—10,1	—11,64	+ 7,6	+3	—2	1768	16 11,1285	39 51,173
Jun. 9	+0,584	— 8,0	—10,81	+ 9,0	+2	—3	1769	16 14,0767	40 6,305
19	+0,515	— 5,7	— 9,85	+10,2	+2	—3	1770	16 17,0249	40 21,441
29	+0,470	— 3,3	— 8,78	+11,1	+2	—3			
Jul. 9	+0,450	— 0,7	— 7,64	+11,7	+1	—3			
19	+0,456	+ 2,0	— 6,45	+11,8	+1	—3			
29	+0,489	+ 4,6	— 5,27	+11,5	+1	—3			
Aug. 8	+0,548	+ 7,3	— 4,14	+10,9	0	—2			
18	+0,634	+10,1	— 3,10	+ 9,6	0	—2			
28	+0,749	+12,9	— 2,22	+ 7,8	—1	—2			
Sept. 7	+0,892	+15,8	— 1,54	+ 5,5	—1	—2			
17	+1,064	+18,7	— 1,12	+ 2,8	—2	—2			
27	+1,265	+21,6	— 0,99	— 0,4	—2	—2			
Oct. 7	+1,495	+24,3	— 1,19	— 3,8	—2	—1			
17	+1,751	+26,8	— 1,75	— 7,3	—3	—1			
27	+2,030	+28,9	— 2,65	—10,8	—3	—1			
Nov. 6	+2,329	+30,6	— 3,91	—14,1	—3	—1			
16	+2,641	+31,5	— 5,47	—17,0	—3	—1			
26	+2,958	+31,6	— 7,30	—19,4	—3	—1			
Dec. 6	+3,273	+30,9	— 9,35	—21,2	—3	—1			
16	+3,575	+29,1	—11,54	—22,2	—3	—1			
26	+3,855	+26,5	—13,79	—22,5	—2	—1			
36	+4,104	+23,0	—16,04	—22,2	—2	—1			

Diei reducto addendum est:

ante / post } Aug. 8 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *a Lemio.*

1750	Jan. 0	9 55 2,976	+13 10,34,85	1760	Jan. 1	9 55 32,945	+13 7 55.9
	Apr. 10	2,980	34,34		Apr. 10	32,968	54.8
	Jul. 19	2,976	33,88		Jul. 19	33,000	54.8
	Oct. 27	2,962	33,47		Oct. 27	33,040	54.9
	Dec. 66	2,940	33,10		Dec. 66	33,089	55.0
1751	Jan. 0	9 55 6,161	+13 10 16,07	1761	Jan. 0	9 55 36,283	+13 7 57.9
	Apr. 10	6,132	15,73		Apr. 10	36,337	58.0
	Jul. 19	6,094	15,46		Jul. 19	36,398	58.0
	Oct. 27	6,048	15,25		Oct. 27	36,465	58.1
	Dec. 66	5,994	15,10		Dec. 66	36,539	58.0
1752	Jan. 1	9 55 9,225	+13 9 57,99	1762	Jan. 0	9 55 39,725	+13 7 20.9
	Apr. 10	9,165	57,88		Apr. 10	39,802	20.9
	Jul. 19	9,098	57,84		Jul. 19	39,884	20.7
	Oct. 27	9,024	57,86		Oct. 27	39,971	20.7
	Dec. 66	8,944	57,94		Dec. 66	40,062	20.8
1753	Jan. 0	9 55 12,184	+13 9 40,75	1763	Jan. 0	9 55 43,242	+13 7 3.4
	Apr. 10	12,098	40,88		Apr. 10	43,335	2.1
	Jul. 19	12,010	41,07		Jul. 19	43,430	2.0
	Oct. 27	11,917	41,32		Oct. 27	43,526	2.0
	Dec. 66	11,819	41,63		Dec. 66	43,624	1.76
1754	Jan. 0	9 55 15,064	+13 9 24,36	1764	Jan. 1	9 55 46,802	+13 6 44.7
	Apr. 10	14,965	24,71		Apr. 10	46,900	44.2
	Jul. 19	14,864	25,12		Jul. 19	46,997	43.7
	Oct. 27	14,762	25,57		Oct. 27	47,093	43.3
	Dec. 66	14,659	26,08		Dec. 66	47,188	42.8
1755	Jan. 0	9 55 17,906	+13 9 8,74	1765	Jan. 0	9 55 50,367	+13 6 25.6
	Apr. 10	17,803	9,28		Apr. 10	50,460	25.0
	Jul. 19	17,703	9,85		Jul. 19	50,550	24.4
	Oct. 27	17,605	10,45		Oct. 27	50,635	23.9
	Dec. 66	17,509	11,09		Dec. 66	50,717	23.1
1756	Jan. 1	9 55 20,758	+13 8 53,71	1766	Jan. 0	9 55 53,901	+13 6 6.2
	Apr. 10	20,659	54,36		Apr. 10	53,979	5.5
	Jul. 19	20,571	55,03		Jul. 19	54,051	4.9
	Oct. 27	20,589	55,71		Oct. 27	54,117	4.2
	Dec. 66	20,412	56,40		Dec. 66	54,177	3.5
1757	Jan. 0	9 55 23,649	+13 8 39,01	1767	Jan. 0	9 55 57,369	+13 5 46.5
	Apr. 10	23,576	39,70		Apr. 10	57,424	45.9
	Jul. 19	23,511	40,39		Jul. 19	57,470	45.2
	Oct. 27	23,454	41,06		Oct. 27	57,509	44.6
	Dec. 66	23,404	41,73		Dec. 66	57,540	44.0
1758	Jan. 0	9 55 26,632	+13 8 24,34	1768	Jan. 1	9 56 0,742	+13 5 27.0
	Apr. 10	26,588	24,99		Apr. 10	0,767	26.5
	Jul. 19	26,553	25,61		Jul. 19	0,783	25.9
	Oct. 27	26,528	26,20		Oct. 27	0,790	25.4
	Dec. 66	26,510	26,76		Dec. 66	0,788	24.9
1759	Jan. 0	9 55 29,727	+13 8 9,41	1769	Jan. 0	9 56 4,000	+13 5 7.9
	Apr. 10	29,716	9,95		Apr. 10	3,992	7.4
	Jul. 19	29,715	10,44		Jul. 19	3,974	7.0
	Oct. 27	29,723	10,88		Oct. 27	3,948	6.7
	Dec. 66	29,741	11,27		Dec. 66	3,912	6.4

Tabulae X. Sect. I. *a Leonis.*

	1760		1760		Var. 10 annor.	
	″		″	″		
Jan. 0	+0,907	+28.6	— 5,25	—14,6	—3	+1
10	+1,177	+25,1	— 6,60	—12,3	—2	0
20	+1,408	+20.8	— 7,71	— 9,8	—2	0
30	+1,593	+16,1	— 8,56	— 7,1	—2	—1
Febr. 9	+1,729	+11,1	— 9,13	— 4,5	—1	—1
19	+1,814	+ 6,1	— 9,45	— 2,0	0	—1
Mart. 1	+1,850	+ 1,4	— 9,52	+ 0,3	0	—2
11	+1,841	— 2,9	— 9,39	+ 2,2	+1	—2
21	+1,792	— 6,5	— 9,09	+ 3,6	+1	—2
31	+1,711	— 9,3	— 8,67	+ 4,7	+2	—2
Apr. 10	+1,606	—11,3	— 8,15	+ 5,4	+2	—3
20	+1,485	—12,5	— 7,59	+ 5,8	+2	—3
30	+1,356	—13,0	— 7,00	+ 5,8	+3	—3
Maj. 10	+1,226	—12,7	— 6,43	+ 5,6	+3	—2
20	+1,102	—11,9	— 5,88	+ 5,3	+3	—2
30	+0,989	—10,6	— 5,38	+ 4,8	+3	—2
Jun. 9	+0,890	— 9,0	— 4,93	+ 4,2	+3	—2
19	+0,810	— 7,0	— 4,55	+ 3,4	+2	—2
29	+0,750	— 4,9	— 4,25	+ 2,7	+2	—2
Jul. 9	+0,712	— 2,8	— 4,02	+ 1,8	+2	—1
19	+0,695	— 0,5	— 3,89	+ 0,8	+1	—1
29	+0,703	+ 2,1	— 3,87	— 0,4	+1	—1
Aug. 8	+0,736	+ 4,6	— 3,96	— 1,6	0	—1
18	+0,795	+ 7,3	— 4,19	— 3,1	0	—1
28	+0,881	+10,0	— 4,58	— 4,8	—1	0
Sept. 7	+0,995	+12,9	— 5,14	— 6,6	—1	0
17	+1,139	+16,0	— 5,89	— 8,5	—2	0
27	+1,314	+19,1	— 6,84	—10,5	—2	0
Oct. 7	+1,521	+22,2	— 7,99	—12,5	—3	0
17	+1,758	+25,2	— 9,34	—14,4	—3	0
27	+2,025	+28,0	—10,87	—16,1	—4	0
Nov. 6	+2,317	+30,3	—12,55	—17,4	—4	0
16	+2,630	+32,1	—14,34	—18,2	—4	0
26	+2,958	+33,1	—16,18	—18,5	—4	0
Dec. 6	+3,291	+33,1	—18,03	—18,2	—4	—1
16	+3,620	+32,2	—19,81	—17,2	—4	—1
26	+3,934	+30,2	—21,47	—15,8	—4	—1
36	+4,224	+27,4	—22,96	—14,6	—4	—2

	A. R. med.	Decl. med.
	h m s	° ′ ″
1750	9 55 1.8943	+13 10 39.564
1751	55 5,1068	10 22.416
1752	55 8,3193	10 5.265
1753	55 11,5316	9 48,113
1754	55 14.7439	9 30.957
1755	55 17.9560	9 13,800
1756	55 21.1680	8 56,640
1657	55 24,3799	8 39,479
1758	55 27,5918	8 22,314
1759	55 30,8035	8 5,148
1760	55 34,0151	7 47.979
1761	55 37,2266	7 30.808
1762	55 40.4380	7 13.634
1763	55 43.6494	6 56,458
1764	55 46,8606	6 39,280
1765	55 50,0717	6 22,099
1766	55 53,2827	6 4,916
1767	55 56,4936	5 47,731
1768	55 59,7044	5 30.544
1769	56 2,9151	5 13,354
1770	56 6,1258	4 56,162

Diei reducto addendum est:

ante / post } Aug. 19 { + 1 / + 2

In mensa. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *β Leonis.*

		h ′ ″	° ′ ″			h ′ ″	° ′ ″
1750	Jan. 0	11 36 18,409	+15 57 58,66	1760	Jan. 1	11 36 47,054	+15 54 51,08
	Apr. 10	18,408	58,48		Apr. 10	47,081	51,09
	Jul. 19	18,399	58,35		Jul. 19	47,117	51,04
	Oct. 27	18,381	58,28		Oct. 27	47,160	50,94
	Dec. 66	18,354	58,27		Dec. 66	47,211	50,78
1751	Jan. 0	11 36 21,437	+15 57 38,21	1761	Jan. 0	11 36 50,265	+15 54 30,78
	Apr. 10	21,403	38,24		Apr. 10	50,321	30,58
	Jul. 19	21,362	38,32		Jul. 19	50,384	30,34
	Oct. 27	21,313	38,46		Oct. 27	50,452	30,04
	Dec. 66	21,257	38,66		Dec. 66	50,527	29,70
1752	Jan. 1	11 36 24,349	+15 57 18,53	1762	Jan. 0	11 36 53,573	+15 54 9,75
	Apr. 10	24,287	18,76		Apr. 10	53,651	9,38
	Jul. 19	24,218	19,05		Jul. 19	53,733	8,97
	Oct. 27	24,143	19,39		Oct. 27	53,819	8,52
	Dec. 66	24,062	19,78		Dec. 66	53,909	8,04
1753	Jan. 0	11 36 27,162	+15 56 59,58	1763	Jan. 0	11 36 56,950	+15 53 48,14
	Apr. 10	27,077	57 0,00		Apr. 10	57,041	47,63
	Jul. 19	26,989	0,46		Jul. 19	57,134	47,10
	Oct. 27	26,896	0,96		Oct. 27	57,228	46,55
	Dec. 66	26,800	1,50		Dec. 66	57,323	45,97
1754	Jan. 0	11 36 29,905	+15 56 41,26	1764	Jan. 1	11 37 0,363	+15 53 26,10
	Apr. 10	29,807	41,81		Apr. 10	0,458	25,51
	Jul. 19	29,709	42,39		Jul. 19	0,551	24,92
	Oct. 27	29,610	42,99		Oct. 27	0,643	24,32
	Dec. 66	29,511	43,61		Dec. 66	0,734	23,72
1755	Jan. 0	11 36 32,616	+15 56 23,34	1765	Jan. 0	11 37 3,775	+15 53 3,86
	Apr. 10	32,517	23,97		Apr. 10	3,863	3,25
	Jul. 19	32,421	24,60		Jul. 19	3,948	2,66
	Oct. 27	32,328	25,23		Oct. 27	4,028	2,08
	Dec. 66	32,237	25,86		Dec. 66	4,104	1,50
1756	Jan. 1	11 36 35,389	+15 56 5,59	1766	Jan. 0	11 37 7,151	+15 52 41,63
	Apr. 10	35,251	6,22		Apr. 10	7,224	41,07
	Jul. 19	35,168	6,82		Jul. 19	7,290	40,54
	Oct. 27	35,091	7,40		Oct. 27	7,350	40,04
	Dec. 66	35,020	7,97		Dec. 66	7,404	39,56
1757	Jan. 0	11 36 38,115	+15 55 47,72	1767	Jan. 0	11 37 10,458	+15 52 19,65
	Apr. 10	38,049	48,27		Apr. 10	10,507	19,20
	Jul. 19	37,990	48,77		Jul. 19	10,548	18,79
	Oct. 27	37,939	49,24		Oct. 27	10,581	18,42
	Dec. 66	37,895	49,67		Dec. 66	10,606	18,09
1758	Jan. 0	11 36 40,980	+15 55 29,47	1768	Jan. 1	11 37 13,669	+15 51 58,13
	Apr. 10	40,943	29,87		Apr. 10	13,688	57,84
	Jul. 19	40,914	30,22		Jul. 19	13,699	57,60
	Oct. 27	40,894	30,53		Oct. 27	13,701	57,41
	Dec. 66	40,882	30,78		Dec. 66	13,694	57,27
1759	Jan. 0	11 36 43,957	+15 55 10,64	1769	Jan. 0	11 37 16,768	+15 51 37,25
	Apr. 10	43,952	10,85		Apr. 10	16,755	37,15
	Jul. 19	43,956	11,01		Jul. 19	16,733	37,10
	Oct. 27	43,968	11,11		Oct. 27	16,703	37,12
	Dec. 66	43,990	11,16		Dec. 66	16,664	37,19

Tabulae X. Sect. I. *β Leonis.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
								h m s	° ′ ″
Jan. 0	+0,572	+33,2	— 6,89	—18,1	—3	+2	1750	11 36 17,3586	+15 58 4,996
10	+0,696	+31,2	— 8,58	—15,5	—3	+1	1751	36 20,4310	57 44,938
20	+0,996	+28,4	— 9,98	—12,4	—3	+1	1752	36 23,5033	57 24,879
30	+1,264	+24,9	—11,05	— 9,1	—3	0	1753	36 26,5756	57 4,820
Febr. 9	+1,493	+20,7	—11,79	— 5,7	—2	0	1754	36 29,6478	56 44,761
							1755	36 32,7200	56 24,701
19	+1,677	+16,2	—12,18	— 2,3	—2	—1	1756	36 35,7920	56 4,641
Mart. 1	+1,816	+11,6	—12,24	+ 0,9	—1	—1	1757	36 38,8640	55 44,581
11	+1,909	+ 7,2	—12,01	+ 3,6	—1	—1	1758	36 41,9359	55 24,520
21	+1,959	+ 3,1	—11,52	+ 5,9	0	—2	1759	36 45,0077	55 4,459
31	+1,971	— 0,6	—10,84	+ 7,6	0	—2	1760	36 48,0794	54 44,396
							1761	36 51,1511	54 24,334
Apr. 10	+1,948	— 3,7	—10,01	+ 8,8	+1	—2	1762	36 54,2227	54 4,272
20	+1,898	— 6,1	— 9,09	+ 9,4	+1	—2	1763	36 57,2942	53 44,209
30	+1,826	— 8,0	— 8,13	+ 9,6	+2	—2	1764	37 0,3656	53 24,146
Maj. 10	+1,738	— 9,3	— 7,18	+ 9,3	+2	—2	1765	37 3,4369	53 4,083
20	+1,640	—10,1	— 6,27	+ 8,7	+2	—2	1766	37 6,5082	52 44,019
							1767	37 9,5794	52 23,955
30	+1,536	—10,5	— 5,44	+ 7,7	+3	—2	1768	37 12,6505	52 3,891
Jun. 9	+1,430	—10,6	— 4,73	+ 6,5	+3	—2	1769	37 15,7215	51 43,826
19	+1,325	—10,3	— 4,14	+ 5,2	+3	—2	1770	37 18,7925	51 23,760
29	+1,225	— 9,7	— 3,69	+ 3,8	+3	—2			
Jul. 9	+1,132	— 8,8	— 3,39	+ 2,1	+3	—1			
19	+1,049	— 7,8	— 3,27	+ 0,4	+2	—1			
29	+0,977	— 6,4	— 3,31	— 1,4	+2	—1			
Aug. 8	+0,921	— 4,7	— 3,54	— 3,3	+2	0			
18	+0,884	— 2,7	— 3,96	— 5,2	+1	0			
28	+0,868	— 0,3	— 4,58	— 7,3	+1	0			
Sept. 7	+0,878	+ 2,5	— 5,41	— 9,4	0	0			
17	+0,918	+ 5,7	— 6,46	—11,6	0	+1			
27	+0,992	+ 9,3	— 7,73	—13,8	—1	+1			
Oct. 7	+1,103	+13,1	— 9,22	—16,0	—1	+1			
17	+1,253	+17,0	—10,92	—18,0	—2	+2			
27	+1,443	+21,0	—12,82	—19,8	—2	+2			
Nov. 6	+1,673	+24,8	—14,88	—21,2	—3	+2			
16	+1,939	+28,2	—17,05	—22,1	—3	+2			
26	+2,236	+30,9	—19,29	—22,5	—4	+2			
Dec. 6	+2,557	+32,9	—21,54	—22,2	—4	+2			
16	+2,893	+33,8	—23,72	—21,2	—4	+2			
26	+3,233	+33,7	—25,77	—19,5	—4	+2			
36	+3,567	+32,6	—27,61	—17,2	—4	+1			

Diei reducto addendum est:

ante / post } Sept. 16 { + 1 / + 2

In mensa. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *β Virginis.*

1750	Jan. 0	11 37 41,410	+ 3 10 15,88	1760	Jan. 1	11 38 10,620	+ 3 7 6,25
	Apr. 10	41,422	15,71		Apr. 10	10,635	6,25
	Jul. 19	41,425	15,59		Jul. 19	10,658	6,19
	Oct. 27	41,419	15,53		Oct. 27	10,689	6,08
	Dec. 66	41,405	15,52		Dec. 66	10,728	5,92
1751	Jan. 0	11 37 44,536	+ 3 9 55,25	1761	Jan. 0	11 38 13,839	+ 3 6 45,71
	Apr. 10	44,516	55,28		Apr. 10	13,884	45,51
	Jul. 19	44,487	55,37		Jul. 19	13,935	45,25
	Oct. 27	44,450	55,51		Oct. 27	13,993	44,96
	Dec. 66	44,405	55,71		Dec. 66	14,058	44,62
1752	Jan. 1	11 37 47,546	+ 3 9 35,37	1762	Jan. 0	11 38 17,160	+ 3 6 24,47
	Apr. 10	47,495	35,61		Apr. 10	17,229	24,09
	Jul. 19	47,438	35,90		Jul. 19	17,302	23,68
	Oct. 27	47,373	36,24		Oct. 27	17,380	23,23
	Dec. 66	47,301	36,64		Dec. 66	17,463	22,74
1753	Jan. 0	11 37 50,451	+ 3 9 16,24	1763	Jan. 0	11 38 20,560	+ 3 6 2,63
	Apr. 10	50,375	16,66		Apr. 10	20,645	2,13
	Jul. 19	50,295	17,12		Jul. 19	20,733	1,57
	Oct. 27	50,210	17,62		Oct. 27	20,822	1,04
	Dec. 66	50,120	18,16		Dec. 66	20,914	0,41
1754	Jan. 0	11 37 53,275	+ 3 8 57,71	1764	Jan. 1	11 38 24,008	+ 3 5 40,85
	Apr. 10	53,183	58,27		Apr. 10	24,101	39,7
	Jul. 19	53,089	58,85		Jul. 19	24,193	39,0
	Oct. 27	52,993	59,46		Oct. 27	24,285	38,40
	Dec. 66	52,896	9 0,08		Dec. 66	24,376	38,08
1755	Jan. 0	11 37 56,054	+ 3 8 39,60	1765	Jan. 0	11 38 27,470	+ 3 5 17,1
	Apr. 10	55,956	40,23		Apr. 10	27,560	17,5
	Jul. 19	55,860	40,86		Jul. 19	27,647	16,7
	Oct. 27	55,765	41,49		Oct. 27	27,732	16,0
	Dec. 66	55,672	42,12		Dec. 66	27,813	15,3
1756	Jan. 1	11 37 58,827	+ 3 8 21,64	1766	Jan. 0	11 38 30,911	+ 3 4 55
	Apr. 10	58,736	22,26		Apr. 10	30,989	54,7
	Jul. 19	58,650	22,86		Jul. 19	31,062	54,7
	Oct. 27	58,568	23,44		Oct. 27	31,130	53,9
	Dec. 66	58,490	24,01		Dec. 66	31,192	53,2
1757	Jan. 0	11 38 1,640	+ 3 8 3,55	1767	Jan. 0	11 38 34,297	+ 3 4 33,0
	Apr. 10	1,565	4,09		Apr. 10	34,354	32,8
	Jul. 19	1,496	4,60		Jul. 19	34,405	32,7
	Oct. 27	1,437	5,06		Oct. 27	34,449	32,1
	Dec. 66	1,385	5,49		Dec. 66	34,485	31,7
1758	Jan. 0	11 38 4,527	+ 3 7 45,09	1768	Jan. 1	11 38 37,598	+ 3 4 11,6
	Apr. 10	4,479	45,48		Apr. 10	37,629	11,3
	Jul. 19	4,439	45,83		Jul. 19	37,652	11,0
	Oct. 27	4,407	46,12		Oct. 27	37,666	10,9
	Dec. 66	4,384	46,37		Dec. 66	37,671	10,77
1759	Jan. 0	11 38 7,516	+ 3 7 26,02	1769	Jan. 0	11 38 40,795	+ 3 3 50,7
	Apr. 10	7,499	26,23		Apr. 10	40,795	50,7
	Jul. 19	7,490	26,39		Jul. 19	40,786	50,7
	Oct. 27	7,490	26,48		Oct. 27	40,768	50,7
	Dec. 66	7,499	26,52		Dec. 66	40,742	50,9

Tabulae X. Sect. I. *β Virginis.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″				h m s	° ′ ″
Jan. 0	+0,358	+32,4	— 2,64	—20,8	—3	+2	1750	11 37 40,3958	+ 3 10 22,234
10	+0,675	+30,5	— 4,66	—19,4	—3	+2	1751	37 43,5206	10 1,968
20	+0,968	+27,7	— 6,51	—17,5	—3	+2	1752	37 46,6454	9 41,702
30	+1,229	+24,2	— 8,15	—15,1	—2	+1	1753	37 49,7702	9 21,435
Febr. 9	+1,452	+20,2	— 9,55	—12,5	—2	+1	1754	37 52,8951	9 1,168
							1755	37 56,0200	8 40,900
19	+1,632	+15,9	—10,64	— 9,7	—1	+1	1756	37 59,1448	8 20,632
Mart. 1	+1,769	+11,6	—11,46	— 6,9	—1	0	1757	38 2,2696	8 0,364
11	+1,863	+ 7,4	—12,01	— 4,2	0	0	1758	38 5,3944	7 40,096
21	+1,916	+ 3,5	—12,30	— 1,8	0	—1	1759	38 8,5192	7 19,827
31	+1,932	+ 0,1	—12,37	+ 0,3	+1	—1	1760	38 11,6440	6 59,558
							1761	38 14,7688	6 39,289
Apr. 10	+1,917	— 2,8	—12,25	+ 2,1	+1	—1	1762	38 17,8936	6 19,019
20	+1,876	— 5,1	—11,96	+ 3,5	+2	—1	1763	38 21,0184	5 58,749
30	+1,815	— 6,9	—11,56	+ 4,5	+2	—2	1764	38 24,1432	5 38,479
Maj. 10	+1,739	— 8,2	—11,06	+ 5,3	+2	—2	1765	38 27,2679	5 18,207
20	+1,652	— 9,0	—10,50	+ 5,8	+3	—2	1766	38 30,3927	4 57,936
							1767	38 33,5175	4 37,665
30	+1,560	— 9,4	— 9,90	+ 6,1	+3	—2	1768	38 36,6423	4 17,393
Jun. 9	+1,464	— 9,5	— 9,29	+ 6,1	+3	—2	1769	38 39,7670	3 57,121
19	+1,370	— 9,3	— 8,69	+ 6,0	+3	—2	1770	38 42,8917	3 36,849
29	+1,279	— 8,9	— 8,10	+ 5,7	+3	—2			
Jul. 9	+1,193	— 8,2	— 7,55	+ 5,2	+3	—2			
19	+1,115	— 7,3	— 7,06	+ 4,6	+3	—2			
29	+1,048	— 6,0	— 6,63	+ 3,8	+2	—1			
Aug. 8	+0,995	— 4,5	— 6,30	+ 2,7	+2	—1			
18	+0,959	— 2,5	— 6,09	+ 1,5	+2	—1			
28	+0,945	— 0,2	— 6,01	— 0,1	+1	—1			
Sept. 7	+0,955	+ 2,5	— 6,11	— 2,0	+1	—1			
17	+0,995	+ 5,7	— 6,41	— 4,1	0	0			
27	+1,068	+ 9,2	— 6,93	— 6,4	0	0			
Oct. 7	+1,178	+13,0	— 7,69	— 8,9	—1	0			
17	+1,327	+16,9	— 8,71	—11,5	—1	+1			
27	+1,516	+20,8	— 9,99	—14,1	—2	+1			
Nov. 6	+1,743	+24,5	—11,52	—16,4	—2	+1			
16	+2,006	+27,8	—13,27	—18,5	—3	+2			
26	+2,299	+30,5	—15,21	—20,1	—3	+2			
Dec. 6	+2,615	+32,3	—17,28	—21,1	—3	+2			
16	+2,945	+33,2	—19,43	—21,6	—3	+2			
26	+3,278	+33,0	—21,59	—21,3	—3	+2			
36	+3,604	+31,9	—23,68	—20,3	—3	+2			

Diei reducto addendum est:

ante / post } Sept. 16 { + 1 / + 2

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *α Virginis.*

		h ′ ″	° ′ ″			h ′ ″	° ′ ″
1750	Jan. 0	13 12 4,501	— 9 50 58,80	1760	Jan. 1	13 12 33,818	— 9 53 57,16
	Apr. 10	4,525	58,64		Apr. 10	33,821	57,49
	Jul. 19	4,541	58,42		Jul. 19	33,832	57,86
	Oct. 27	4,547	58,15		Oct. 27	33,852	58,28
	Dec. 66	4,545	57,83		Dec. 66	33,881	58,74
1751	Jan. 0	13 12 7,685	— 9 51 17,07	1761	Jan. 0	13 12 37,010	— 9 54 17,70
	Apr. 10	7,676	16,73		Apr. 10	37,044	18,19
	Jul. 19	7,659	16,34		Jul. 19	37,086	18,71
	Oct. 27	7,632	15,88		Oct. 27	37,136	19,26
	Dec. 66	7,598	15,36		Dec. 66	37,193	19,83
1752	Jan. 1	13 12 10,748	— 9 51 34,67	1762	Jan. 0	13 12 40,312	— 9 54 38,75
	Apr. 10	10,707	34,15		Apr. 10	40,374	39,34
	Jul. 19	10,658	33,59		Jul. 19	40,441	39,95
	Oct. 27	10,601	33,01		Oct. 27	40,514	40,56
	Dec. 66	10,537	32,40		Dec. 66	40,593	41,19
1753	Jan. 0	13 12 13,697	— 9 51 51,74	1763	Jan. 0	13 12 43,705	— 9 55 0,10
	Apr. 10	13,628	51,12		Apr. 10	43,787	0,73
	Jul. 19	13,553	50,48		Jul. 19	43,872	1,35
	Oct. 27	13,472	49,83		Oct. 27	43,960	1,96
	Dec. 66	13,386	49,18		Dec. 66	44,052	2,57
1754	Jan. 0	13 12 16,553	— 9 52 8,53	1764	Jan. 1	13 12 47,160	— 9 55 21,49
	Apr. 10	16,463	7,87		Apr. 10	47,253	22,09
	Jul. 19	16,371	7,23		Jul. 19	47,347	22,66
	Oct. 27	16,275	6,59		Oct. 27	47,441	23,21
	Dec. 66	16,177	5,97		Dec. 66	47,536	23,74
1755	Jan. 0	13 12 19,348	— 9 52 25,31	1765	Jan. 0	13 12 50,643	— 9 55 42,68
	Apr. 10	19,248	24,70		Apr. 10	50,738	43,18
	Jul. 19	19,149	24,12		Jul. 19	50,831	43,65
	Oct. 27	19,050	23,58		Oct. 27	50,922	44,08
	Dec. 66	18,952	23,07		Dec. 66	51,010	44,48
1756	Jan. 1	13 12 22,123	— 9 52 42,36	1766	Jan. 0	13 12 54,120	— 9 56 3,46
	Apr. 10	22,026	41,87		Apr. 10	54,206	3,82
	Jul. 19	21,933	41,44		Jul. 19	54,288	4,13
	Oct. 27	21,843	41,05		Oct. 27	54,365	4,39
	Dec. 66	21,756	40,71		Dec. 66	54,437	4,60
1757	Jan. 0	13 12 24,923	— 9 52 59,94	1767	Jan. 0	13 12 57,553	— 9 56 23,65
	Apr. 10	24,839	59,63		Apr. 10	57,621	23,82
	Jul. 19	24,762	59,38		Jul. 19	57,683	23,94
	Oct. 27	24,691	59,19		Oct. 27	57,737	24,00
	Dec. 66	24,627	59,06		Dec. 66	57,786	24,01
1758	Jan. 0	13 12 27,786	— 9 53 18,22	1768	Jan. 1	13 13 0,910	— 9 56 43,12
	Apr. 10	27,726	18,13		Apr. 10	0,953	43,08
	Jul. 19	27,675	18,10		Jul. 19	0,987	42,99
	Oct. 27	27,631	18,12		Oct. 27	1,013	42,84
	Dec. 66	27,596	18,21		Dec. 66	1,031	42,64
1759	Jan. 0	13 12 30,745	— 9 53 37,30	1769	Jan. 0	13 13 4,166	— 9 57 1,82
	Apr. 10	30,715	37,43		Apr. 10	4,178	1,58
	Jul. 19	30,694	37,61		Jul. 19	4,181	1,28
	Oct. 27	30,682	37,85		Oct. 27	4,175	0,94
	Dec. 66	30,679	38,14		Dec. 66	4,160	0,54

Tabulae X. Sect. I. *α Virginis.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
								h ′ ″	° ′ ″
Jan. 0	−0,185	+33,4	+ 2,09	−20,2	−3	+2	1750	13 12 3,4912	− 9 50 52,048
10	+0,149	+33,1	+ 0,04	−20,5	−3	+2	1751	12 6,6287	51 11,181
20	+0,476	+31,8	− 2,01	−20,2	−3	+2	1752	12 9,7664	51 30,313
30	+0,785	+29,7	− 3,99	−19,2	−3	+2	1753	12 12,9042	51 49,443
Febr. 9	+1,070	+26,9	− 5,85	−17,8	−2	+2	1754	12 16,0420	52 8,572
							1755	12 19,1800	52 27,699
19	+1,323	+23,7	− 7,54	−15,9	−2	+2	1756	12 22,3181	52 46,825
Mart. 1	+1,543	+20,2	− 9,02	−13,7	−2	+2	1757	12 25,4563	53 5,949
11	+1,726	+16,5	−10,28	−11,5	−1	+2	1758	12 28,5946	53 25,072
21	+1,873	+13,0	−11,31	− 9,2	0	+2	1759	12 31,7330	53 44,193
31	+1,986	+ 9,6	−12,11	− 6,9	0	+1	1760	12 34,8717	54 3,313
							1761	12 38,0104	54 22,431
Apr. 10	+2,065	+ 6,5	−12,69	− 4,8	+1	+1	1762	12 41,1492	54 41,548
20	+2,115	+ 3,6	−13,06	− 2,9	+1	+1	1763	12 44,2881	55 0,663
30	+2,137	+ 1,1	−13,26	− 1,2	+2	+1	1764	12 47,4271	55 19,777
Maj. 10	+2,136	− 1,2	−13,30	+ 0,3	+2	0	1765	12 50,5661	55 38,888
20	+2,113	− 3,3	−13,21	+ 1,6	+3	0	1766	12 53,7053	55 57,998
							1767	12 56,8446	56 17,107
30	+2,070	− 5,1	−12,99	+ 2,7	+3	0	1768	12 59,9841	56 36,214
Jun. 9	+2,011	− 6,7	−12,67	+ 3,6	+3	0	1769	13 3,1237	56 55,325
19	+1,937	− 8,1	−12,27	+ 4,4	+3	−1	1770	13 6,2634	57 14,425
29	+1,850	− 9,3	−11,79	+ 5,1	+4	−1			
Jul. 9	+1,751	−10,2	−11,25	+ 5,6	+4	−1			
19	+1,646	−10,8	−10,67	+ 6,0	+4	−1			
29	+1,536	−11,0	−10,05	+ 6,3	+3	−1			
Aug. 8	+1,427	−10,7	− 9,42	+ 6,3	+3	−1			
18	+1,322	−10,0	− 8,80	+ 6,0	+3	−1			
28	+1,228	− 8,5	− 8,22	+ 5,5	+3	−1			
Sept. 7	+1,152	− 6,4	− 7,71	+ 4,5	+2	−1			
17	+1,100	− 3,7	− 7,32	+ 3,2	+2	−1			
27	+1,079	− 0,3	− 7,08	+ 1,5	+1	0			
Oct. 7	+1,095	+ 3,7	− 7,02	− 0,6	+1	0			
17	+1,152	+ 8,0	− 7,20	− 3,1	0	0			
27	+1,255	+12,7	− 7,63	− 5,7	0	+1			
Nov. 6	+1,405	+17,3	− 8,34	− 8,5	−1	+1			
16	+1,601	+21,8	− 9,33	−11,3	−1	+2			
26	+1,840	+25,8	−10,60	−14,0	−1	+2			
Dec. 6	+2,116	+29,1	−12,12	−16,3	−2	+3			
16	+2,421	+31,5	−13,86	−18,3	−2	+3			
26	+2,746	+33,0	−15,78	−19,7	−2	+3			
36	+3,080	+33,4	−17,80	−20,4	−2	+4			

Diei reducto addendum est:

ante / post } Oct. 12 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. α *Bootis.*

		h ′ ″	° ′ ″			h ′ ″	° ′ ″
1750	Jan. 0	14 4 15,977	+20 29 34,90	1760	Jan. 1	14 4 42,409	+20 26 35,20
	Apr. 10	16,973	35,23		Apr. 10	42,437	34,80
	Jul. 19	16,961	35,62		Jul. 19	42,473	34,27
	Oct. 27	16,942	36,06		Oct. 27	42,515	33,71
	Dec. 66	16,914	36,55		Dec. 66	42,565	33,11
1751	Jan. 0	14 4 19,655	+20 29 17,22	1761	Jan. 0	14 4 45,279	+20 26 14,17
	Apr. 10	19,622	17,74		Apr. 10	45,333	13,5[illegible]
	Jul. 19	19,582	18,30		Jul. 19	45,392	12,9[illegible]
	Oct. 27	19,534	18,89		Oct. 27	45,457	12,3[illegible]
	Dec. 66	19,479	19,51		Dec. 66	45,527	11,61
1752	Jan. 1	14 4 22,230	+20 29 0,14	1762	Jan. 0	14 4 48,235	+20 25 52,7[illegible]
	Apr. 10	22,171	0,73		Apr. 10	48,308	52,0[illegible]
	Jul. 19	22,106	1,44		Jul. 19	48,385	51,3[illegible]
	Oct. 27	22,036	2,11		Oct. 27	48,464	50,7[illegible]
	Dec. 66	21,959	2,80		Dec. 66	48,547	50,0[illegible]
1753	Jan. 0	14 4 24,717	+20 28 43,42	1763	Jan. 0	14 4 51,251	+20 25 31,1[illegible]
	Apr. 10	24,638	44,11		Apr. 10	51,335	30,4[illegible]
	Jul. 19	24,555	44,79		Jul. 19	51,420	29,8[illegible]
	Oct. 27	24,470	45,47		Oct. 27	51,506	29,2[illegible]
	Dec. 66	24,382	46,15		Dec. 66	51,592	28,66
1754	Jan. 0	14 4 27,148	+20 28 26,77	1764	Jan. 1	14 4 54,295	+20 25 9,7[illegible]
	Apr. 10	27,054	27,43		Apr. 10	54,381	9,16
	Jul. 19	26,964	28,06		Jul. 19	54,466	8,64
	Oct. 27	26,874	28,66		Oct. 27	54,549	8,15
	Dec. 66	26,783	29,24		Dec. 66	54,630	7,70
1755	Jan. 0	14 4 29,545	+20 28 9,90	1765	Jan. 0	14 4 57,335	+20 24 48,7[illegible]
	Apr. 10	29,456	10,45		Apr. 10	57,414	48,80
	Jul. 19	29,369	10,96		Jul. 19	57,490	47,9[illegible]
	Oct. 27	29,285	11,41		Oct. 27	57,561	47,6[illegible]
	Dec. 66	29,204	11,82		Dec. 66	57,628	47,3[illegible]
1756	Jan. 1	14 4 31,962	+20 27 52,54	1766	Jan. 0	14 5 0,338	+20 24 28,8[illegible]
	Apr. 10	31,883	52,92		Apr. 10	0,402	28,10
	Jul. 19	31,810	53,23		Jul. 19	0,460	27,9[illegible]
	Oct. 27	31,742	53,48		Oct. 27	0,512	27,8[illegible]
	Dec. 66	31,680	53,68		Dec. 66	0,558	27,77
1757	Jan. 0	14 4 34,432	+20 27 34,47	1767	Jan. 0	14 5 3,275	+20 24 8,66
	Apr. 10	34,374	34,62		Apr. 10	3,317	8,63
	Jul. 19	34,323	34,71		Jul. 19	3,351	8,71
	Oct. 27	34,279	34,73		Oct. 27	3,378	8,8[illegible]
	Dec. 66	34,242	34,69		Dec. 66	3,398	8,9[illegible]
1758	Jan. 0	14 4 36,985	+20 27 15,57	1768	Jan. 1	14 5 6,124	+20 23 49,80
	Apr. 10	36,954	15,48		Apr. 10	6,138	50,0[illegible]
	Jul. 19	36,931	15,33		Jul. 19	6,144	50,2[illegible]
	Oct. 27	36,916	15,12		Oct. 27	6,142	50,6[illegible]
	Dec. 66	36,909	14,85		Dec. 66	6,133	51,00
1759	Jan. 0	14 4 39,642	+20 26 55,81	1769	Jan. 0	14 5 8,869	+20 23 31,74
	Apr. 10	39,641	55,50		Apr. 10	8,853	32,16
	Jul. 19	39,648	55,14		Jul. 19	8,830	32,6[illegible]
	Oct. 27	39,663	54,73		Oct. 27	8,799	33,1[illegible]
	Dec. 66	39,686	54,27		Dec. 66	8,761	33,6[illegible]

Tabulae X. Sect. I. *α Bootis.*

	1760		1760		Var. 10 annot.			A. R. med.	Decl. med.
	″	″	″	″	″	″		h ′ ″	° ′ ″
Jan. 0	−0,529	+32,1	— 7,69	−24,3	−3	+2	1750	14 4 16,0197	+20 29 41,376
10	−0,202	+33,0	−10,00	−21,6	−3	+2	1751	4 18,7511	29 22,217
20	+0,130	+32,9	−12,00	−18,2	−3	+2	1752	4 21,4825	29 3,059
30	+0,456	+31,9	−13,64	−14,3	−3	+2	1753	4 24,2140	28 43,904
Febr. 9	+0,768	+30,1	−14,85	−10,0	−3	+1	1754	4 26,9455	28 24,751
							1755	4 29,6770	28 5,600
19	+1,058	+27,6	−15,63	— 5,6	−3	+1	1756	4 32,4085	27 46,452
Mart. 1	+1,319	+24,5	−15,96	— 1,1	−2	+1	1757	4 35,1400	27 27,305
11	+1,548	+21,2	−15,85	+ 3,1	−2	0	1758	4 37,8715	27 8,161
21	+1,742	+17,6	−15,35	+ 6,8	−2	0	1759	4 40,6030	26 49,019
31	+1,900	+14,1	−14,49	+10,1	−1	0	1760	4 43,3346	26 29,879
							1761	4 46,0662	26 10,741
Apr. 10	+2,024	+10,7	−13,34	+12,6	−1	−1	1762	4 48,7978	25 51,605
20	+2,113	+ 7,3	−11,97	+14,4	0	−1	1763	4 51,5294	25 32,472
30	+2,170	+ 4,2	−10,46	+15,5	0	−1	1764	4 54,2610	25 13,341
Maj. 10	+2,197	+ 1,3	— 8,87	+16,0	+1	−1	1765	4 56,9925	24 54,211
20	+2,196	— 1,4	— 7,27	+15,8	+1	−1	1766	4 59,7241	24 35,084
							1767	5 2,4557	24 15,960
30	+2,169	— 3,9	— 5,72	+15,0	+1	−1	1768	5 5,1874	23 56,837
Jun. 9	+2,118	— 6,2	— 4,28	+13,6	+2	−1	1769	5 7,9191	23 37,716
19	+2,046	— 8,2	— 3,00	+11,9	+2	−1	1770	5 10,6508	23 18,597
29	+1,954	−10,1	— 1,91	+ 9,9	+2	−1			
Jul. 9	+1,844	−11,7	— 1,08	+ 7,5	+3	−1			
19	+1,720	−13,0	— 0,41	+ 5,0	+3	0			
29	+1,585	−13,8	— 0,04	+ 2,4	+3	0			
Aug. 8	+1,444	−14,2	+ 0,06	— 0,5	+3	0			
18	+1,301	−14,1	— 0,13	— 3,4	+3	0			
28	+1,163	−13,3	— 0,61	— 6,3	+3	+1			
Sept. 7	+1,036	−11,8	— 1,38	— 9,2	+2	+1			
17	+0,927	— 9,6	— 2,44	−12,1	+2	+2			
27	+0,844	— 6,7	— 3,79	−15,0	+2	+2			
Oct. 7	+0,794	— 3,0	— 5,43	−17,8	+1	+2			
17	+0,784	+ 1,2	— 7,34	−20,4	+1	+3			
27	+0,818	+ 5,9	— 9,50	−22,8	0	+3			
Nov. 6	+0,901	+10,8	−11,89	−24,8	0	+4			
16	+1,033	+15,7	−14,45	−26,3	−1	+4			
26	+1,215	+20,4	−17,14	−27,2	−1	+4			
Dec. 6	+1,441	+24,6	−19,89	−27,5	−2	+4			
16	+1,707	+28,2	−22,63	−26,9	−2	+5			
26	+2,005	+30,9	−25,27	−25,5	−2	+5			
36	+2,324	+32,6	−27,73	−23,4	−3	+4			

Diei reducto addendum est:

ante } Oct. 26 { + 1
post } { + 2

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. 1α *Librae.*

1750	Jan. 0	14 36 55,359	—14 56 33,47	1760	Jan. 1	14 37 26,087	—14 58 58,60
	Apr. 10	55,386	33,03		Apr. 10	26,089	59,18
	Jul. 19	55,404	32,54		Jul. 19	26,099	59,80
	Oct. 27	55,413	32,01		Oct. 27	26,118	59 0,43
	Dec. 66	55,412	31,43		Dec. 66	26,147	1,10
1751	Jan. 0	14 36 58,702	—14 56 47,25	1761	Jan. 0	14 37 29,427	—14 59 16,47
	Apr. 10	58,695	46,64		Apr. 10	29,461	17,14
	Jul. 19	58,679	46,01		Jul. 19	29,504	17,83
	Oct. 27	58,653	45,35		Oct. 27	29,554	18,53
	Dec. 66	58,618	44,66		Dec. 66	29,613	19,23
1752	Jan. 1	14 37 1,919	—14 57 0,51	1762	Jan. 0	14 37 32,883	—14 59 34,58
	Apr. 10	1,878	56 59,81		Apr. 10	32,946	35,28
	Jul. 19	1,828	59,10		Jul. 19	33,016	35,97
	Oct. 27	1,770	58,38		Oct. 27	33,091	36,65
	Dec. 66	1,704	57,66		Dec. 66	33,173	37,31
1753	Jan. 0	14 37 5,015	—14 57 13,52	1763	Jan. 0	14 37 36,435	—14 59 52,67
	Apr. 10	4,944	12,80		Apr. 10	36,520	53,32
	Jul. 19	4,867	12,10		Jul. 19	36,609	53,93
	Oct. 27	4,783	11,42		Oct. 27	36,701	54,51
	Dec. 66	4,693	10,75		Dec. 66	36,797	55,07
1754	Jan. 0	14 37 8,012	—14 57 26,59	1764	Jan. 1	14 37 40,055	—15 0 10,47
	Apr. 10	7,919	25,94		Apr. 10	40,153	10,99
	Jul. 19	7,822	25,33		Jul. 19	40,251	11,47
	Oct. 27	7,722	24,76		Oct. 27	40,350	11,90
	Dec. 66	7,619	24,23		Dec. 66	40,450	12,28
1755	Jan. 0	14 37 10,943	—14 57 40,01	1765	Jan. 0	14 37 43,708	—15 0 27,73
	Apr. 10	10,839	39,51		Apr. 10	43,807	28,08
	Jul. 19	10,735	39,06		Jul. 19	43,905	28,37
	Oct. 27	10,631	38,67		Oct. 27	44,001	28,60
	Dec. 66	10,527	38,34		Dec. 66	44,094	28,78
1756	Jan. 1	14 37 13,851	—14 57 54,05	1766	Jan. 0	14 37 47,354	—15 0 44,30
	Apr. 10	13,749	53,76		Apr. 10	47,445	44,43
	Jul. 19	13,650	53,53		Jul. 19	47,532	44,50
	Oct. 27	13,554	53,37		Oct. 27	47,514	44,51
	Dec. 66	13,462	53,28		Dec. 66	47,691	44,45
1757	Jan. 0	14 37 16,782	—14 58 8,90	1767	Jan. 0	14 37 50,957	—15 1 0,05
	Apr. 10	16,693	8,85		Apr. 10	51,030	0 59,95
	Jul. 19	16,612	8,87		Jul. 19	51,096	59,79
	Oct. 27	16,536	8,96		Oct. 27	51,155	59,57
	Dec. 66	16,467	9,11		Dec. 66	51,208	59,29
1758	Jan. 0	14 37 19,779	—14 58 24,65	1768	Jan. 1	14 37 54,482	—15 1 14,95
	Apr. 10	19,714	24,85		Apr. 10	54,529	14,63
	Jul. 19	19,658	25,10		Jul. 19	54,567	14,26
	Oct. 27	19,611	25,42		Oct. 27	54,596	13,83
	Dec. 66	19,572	25,80		Dec. 66	54,616	13,34
1759	Jan. 0	14 37 22,874	—14 58 41,26	1769	Jan. 0	14 37 57,902	—15 1 29,08
	Apr. 10	22,841	41,68		Apr. 10	57,916	28,56
	Jul. 19	22,817	42,14		Jul. 19	57,921	28,01
	Oct. 27	22,802	42,65		Oct. 27	57,919	27,41
	Dec. 66	22,797	43,20		Dec. 66	57,903	26,78

Tabulae X. Sect. I. 1a *Librae.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	′	″	′	″	″	″		h ′ ″	° ′ ″
Jan. 0	−0,668	+31,8	+ 5,39	−15,6	−3	+1	1750	14 36 54,3030	−14 56 27,328
10	−0,342	+32,9	+ 1,77	−16,5	−3	+1	1751	36 57,5914	56 42,949
20	−0,010	+33,2	+ 0,09	−16,9	−3	+2	1752	37 0,8800	56 58,566
30	+0,321	+32,6	− 1,60	−16,7	−3	+2	1753	37 4,1687	57 14,181
Febr. 9	+0,642	+31,2	− 3,25	−16,0	−3	+2	1754	37 7,4576	57 29,792
							1755	37 10,7467	57 45,400
19	+0,944	+29,2	− 4,80	−15,8	−3	+2	1756	37 14,0359	58 1,005
Mart. 1	+1,225	+26,8	− 6,21	−13,3	−2	+2	1757	37 17,3253	58 16,607
11	+1,479	+24,0	− 7,46	−11,6	−2	+3	1758	37 20,6148	58 32,206
21	+1,705	+21,2	− 8,53	− 9,8	−1	+3	1759	37 23,9045	58 47,802
31	+1,902	+18,2	− 9,41	− 7,9	−1	+3	1760	37 27,1943	59 3,395
							1761	37 30,4843	59 18,985
Apr. 10	+2,069	+15,3	−10,11	− 6,2	0	+2	1762	37 33,7744	59 34,571
20	+2,208	+12,5	−10,64	− 4,5	0	+2	1763	37 37,0647	59 50,155
30	+2,318	+ 9,6	−11,01	− 3,0	+1	+2	1764	37 40,3552	−15 0 5,735
Maj. 10	+2,400	+ 6,8	−11,24	− 1,7	+1	+2	1765	37 43,6458	0 21,312
20	+2,454	+ 4,1	−11,34	− 0,6	+2	+2	1766	37 46,9366	0 36,887
							1767	37 50,2275	0 52,458
30	+2,482	+ 1,5	−11,35	+ 0,4	+2	+2	1768	37 53,5186	1 8,026
Jun. 9	+2,483	− 1,3	−11,26	+ 1,3	+3	+2	1769	37 56,8098	1 23,590
19	+2,457	− 3,9	−11,09	+ 2,1	+3	+1	1770	38 0,1012	1 39,152
29	+2,406	− 6,5	−10,85	+ 2,8	+4	+1			
Jul. 9	+2,331	− 8,6	−10,54	+ 3,4	+4	+1			
19	+2,234	−10,6	−10,18	+ 4,0	+4	+1			
29	+2,119	−12,2	− 9,75	+ 4,5	+4	+1			
Aug. 8	+1,990	−13,4	− 9,28	+ 4,9	+4	0			
18	+1,852	−14,4	− 8,78	+ 5,2	+4	0			
28	+1,713	−14,2	− 8,25	+ 5,2	+4	0			
Sept. 7	+1,579	−12,7	− 7,74	+ 5,0	+3	0			
17	+1,460	−10,7	− 7,25	+ 4,6	+3	0			
27	+1,365	− 8,0	− 6,83	+ 3,7	+3	0			
Oct. 7	+1,300	− 4,5	− 6,52	+ 2,5	+2	0			
17	+1,275	− 0,3	− 6,35	+ 0,9	+2	+1			
27	+1,295	+ 4,5	− 6,35	− 1,1	+1	+1			
Nov. 6	+1,365	+ 9,6	− 6,57	− 3,4	+1	+1			
16	+1,486	+14,6	− 7,03	− 5,8	0	+2			
26	+1,657	+19,4	− 7,73	− 8,3	0	+2			
Dec. 6	+1,876	+23,8	− 8,69	−10,7	−1	+3			
16	+2,135	+27,6	− 9,87	−12,8	−1	+3			
26	+2,427	+30,4	−11,25	−14,7	−1	+4			
36	+2,743	+32,4	−12,80	−16,0	−2	+4			

Diei reducto addendum est:

ante } Nov. 3 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. 2a *Librae.*

1750	Jan. 0	14 37 6,583	—14 59 17,31	1760	Jan. 1	14 37 37,330	— 15 1 42,16
	Apr. 10	6,610	16,87		Apr. 10	37,332	42,74
	Jul. 19	6,628	16,38		Jul. 19	37,342	43,35
	Oct. 27	6,637	15,84		Oct. 27	37,361	43,99
	Dec. 66	6,636	15,26		Dec. 66	37,390	44,66
1751	Jan. 0	14 37 9,928	—14 59 31,06	1761	Jan. 0	14 37 40,671	— 15 2 0,00
	Apr. 10	9,921	30,45		Apr. 10	40,706	0,68
	Jul. 19	9,904	29,82		Jul. 19	40,749	1,36
	Oct. 27	9,878	29,16		Oct. 27	40,799	2,06
	Dec. 66	9,843	28,47		Dec. 66	40,858	2,76
1752	Jan. 1	14 37 13,147	—14 59 44,29	1762	Jan. 0	14 37 44,129	— 15 2 18,09
	Apr. 10	13,106	43,59		Apr. 10	44,192	18,79
	Jul. 19	13,056	42,88		Jul. 19	44,262	19,47
	Oct. 27	12,998	42,16		Oct. 27	44,338	20,15
	Dec. 66	12,932	41,44		Dec. 66	44,420	20,81
1753	Jan. 0	14 37 16,245	—14 59 57,27	1763	Jan. 0	14 37 47,684	— 15 2 36,15
	Apr. 10	16,174	56,55		Apr. 10	47,769	36,79
	Jul. 19	16,096	55,85		Jul. 19	47,858	37,41
	Oct. 27	16,012	55,17		Oct. 27	47,950	37,99
	Dec. 66	15,922	54,51		Dec. 66	48,046	38,54
1754	Jan. 0	14 37 19,244	—15 0 10,31	1764	Jan. 1	14 37 51,306	— 15 2 53,91
	Apr. 10	19,151	9,66		Apr. 10	51,404	54,43
	Jul. 19	19,054	9,05		Jul. 19	51,502	54,91
	Oct. 27	18,954	8,48		Oct. 27	51,601	55,34
	Dec. 66	18,851	7,95		Dec. 66	51,701	55,72
1755	Jan. 0	14 37 22,177	—15 0 23,70	1765	Jan. 0	14 37 54,960	— 15 3 11,15
	Apr. 10	22,073	23,20		Apr. 10	55,060	11,49
	Jul. 19	21,969	22,76		Jul. 19	55,158	11,78
	Oct. 27	21,865	22,37		Oct. 27	55,253	12,01
	Dec. 66	21,761	22,04		Dec. 66	55,347	12,19
1756	Jan. 1	14 37 25,087	—15 0 37,72	1766	Jan. 0	14 37 58,609	— 15 3 27,68
	Apr. 10	24,984	37,43		Apr. 10	58,700	27,81
	Jul. 19	24,885	37,20		Jul. 19	58,787	27,88
	Oct. 27	24,790	37,04		Oct. 27	58,869	27,89
	Dec. 66	24,698	36,95		Dec. 66	58,947	27,83
1757	Jan. 0	14 37 28,019	—15 0 52,54	1767	Jan. 0	14 38 2,214	— 15 3 43,40
	Apr. 10	27,931	52,49		Apr. 10	2,287	43,30
	Jul. 19	27,849	52,51		Jul. 19	2,353	43,14
	Oct. 27	27,773	52,60		Oct. 27	2,413	42,92
	Dec. 66	27,703	52,75		Dec. 66	2,465	42,64
1758	Jan. 0	14 37 31,018	—15 1 8,26	1768	Jan. 1	14 38 5,741	— 15 3 58,23
	Apr. 10	30,953	8,46		Apr. 10	5,788	57,95
	Jul. 19	30,897	8,72		Jul. 19	5,826	57,58
	Oct. 27	30,850	9,03		Oct. 27	5,855	57,15
	Dec. 66	30,811	9,41		Dec. 66	5,876	56,66
1759	Jan. 0	14 37 34,115	—15 1 24,84	1769	Jan. 0	14 38 9,163	— 15 4 12,37
	Apr. 10	34,082	25,26		Apr. 10	9,177	11,85
	Jul. 19	34,058	25,72		Jul. 19	9,182	11,30
	Oct. 27	34,043	26,23		Oct. 27	9,178	10,70
	Dec. 66	34,038	26,79		Dec. 66	9,164	10,07

Tabulae X. Sect. I. 2a *Librae.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″	″	″		h ′ ″	° ′ ″
Jan. 0	−0,669	+31,8	+ 5,40	−15,5	−3	+1	1750	14 37 5,5264	−14 59 11,171
10	−0,344	+32,9	+ 1,79	−16,5	−3	+1	1751	37 8,8168	59 26,763
20	−0,011	+33,2	+ 0,11	−16,9	−3	+2	1752	37 12,1074	59 42,352
30	+0,320	+32,6	− 1,58	−16,7	−3	+2	1753	37 15,3981	59 57,938
Febr. 9	+0,641	+31,2	− 3,23	−16,0	−3	+2	1754	37 18,6890	−15 0 13,521
							1755	37 21,9800	0 29,100
19	+0,944	+29,2	− 4,78	−14,8	−3	+2	1756	37 25,2712	0 44,676
Mart. 1	+1,225	+26,8	− 6,19	−13,4	−2	+2	1757	37 28,5625	1 0,249
11	+1,479	+24,0	− 7,45	−11,6	−2	+3	1758	37 31,8540	1 15,818
21	+1,705	+21,2	− 8,51	− 9,8	−1	+3	1759	37 35,1457	1 31,385
31	+1,902	+18,3	− 9,40	− 8,0	−1	+3	1760	37 38,4375	1 46,950
							1761	37 41,7295	2 2,511
Apr. 10	+2,070	+15,3	−10,10	− 6,1	0	+2	1762	37 45,0216	2 18,069
20	+2,208	+12,5	−10,62	− 4,5	0	+2	1763	37 48,3139	2 33,623
30	+2,319	+ 9,7	−10,99	− 3,0	+1	+2	1764	37 51,6063	2 49,174
Maj. 10	+2,401	+ 6,9	−11,22	− 1,7	+1	+2	1765	37 54,8989	3 4,722
20	+2,456	+ 4,2	−11,33	− 0,6	+2	+2	1766	37 58,1916	3 20,267
							1767	38 1,4845	3 35,809
30	+2,484	+ 1,5	−11,34	+ 0,4	+2	+2	1768	38 4,7776	3 51,348
Jun. 9	+2,485	− 1,3	−11,25	+ 1,3	+3	+2	1769	38 8,0708	4 6,884
19	+2,459	− 3,8	−11,09	+ 2,0	+3	+1	1770	38 11,3642	4 22,416
29	+2,409	− 6,3	−10,85	+ 2,8	+4	+1			
Jul. 9	+2,333	− 8,6	−10,54	+ 3,4	+4	+1			
19	+2,237	−10,6	−10,17	+ 4,0	+4	+1			
29	+2,121	−12,3	− 9,75	+ 4,5	+4	+1			
Aug. 8	+1,992	−13,4	− 9,28	+ 4,9	+4	0			
18	+1,854	−13,9	− 8,78	+ 5,2	+4	0			
28	+1,715	−13,7	− 8,25	+ 5,3	+4	0			
Sept. 7	+1,581	−12,7	− 7,73	+ 5,0	+3	0			
17	+1,462	−10,8	− 7,25	+ 4,5	+3	0			
27	+1,366	− 8,0	− 6,83	+ 3,7	+3	0			
Oct. 7	+1,302	− 4,5	− 6,51	+ 2,5	+2	0			
17	+1,277	− 0,3	− 6,33	+ 0,9	+2	+1			
27	+1,297	+ 4,5	− 6,34	− 1,1	+1	+1			
Nov. 6	+1,366	+ 9,5	− 6,55	− 3,4	+1	+1			
16	+1,487	+14,6	− 7,01	− 5,8	0	+2			
26	+1,658	+19,5	− 7,71	− 8,2	0	+2			
Dec. 6	+1,877	+23,9	− 8,65	−10,6	−1	+3			
16	+2,136	+27,6	− 9,85	−12,9	−1	+3			
26	+2,428	+30,4	−11,22	−14,6	−1	+4			
36	+2,743	+32,4	−12,75	−16,0	−2	+4			

Diei reducto addendum est:

ante / post } Nov. 8 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *α Coronae.*

		h ′ ″	° ′ ″			h ′ ″	° ′ ″
1750	Jan. 0	15 24 7,525	+27 34 10,08	1760	Jan. 1	15 24 31,176	+27 32 12,50
	Apr. 10	7,520	10,66		Apr. 10	31,204	11,81
	Jul. 19	7,507	11,27		Jul. 19	31,238	11,10
	Oct. 27	7,487	11,92		Oct. 27	31,278	10,38
	Dec. 66	7,459	12,61		Dec. 66	31,325	9,64
1751	Jan. 0	15 24 10,004	+27 33 59,69	1761	Jan. 0	15 24 33,844	+27 31 57,23
	Apr. 10	9,972	34 0,40		Apr. 10	33,895	56,48
	Jul. 19	9,933	1,12		Jul. 19	33,950	55,74
	Oct. 27	9,888	1,86		Oct. 27	34,010	55,00
	Dec. 66	9,837	2,62		Dec. 66	34,074	54,27
1752	Jan. 1	15 24 12,390	+27 33 49,68	1762	Jan. 0	15 24 36,587	+27 31 41,86
	Apr. 10	12,334	50,44		Apr. 10	36,655	41,14
	Jul. 19	12,274	51,19		Jul. 19	36,725	40,44
	Oct. 27	12,209	51,94		Oct. 27	36,798	39,77
	Dec. 66	12,139	52,68		Dec. 66	36,873	39,13
1753	Jan. 0	15 24 14,698	+27 33 39,75	1763	Jan. 0	15 24 39,382	+27 31 26,69
	Apr. 10	14,625	40,48		Apr. 10	39,459	26,07
	Jul. 19	14,550	41,17		Jul. 19	39,536	25,50
	Oct. 27	14,472	41,83		Oct. 27	39,614	24,97
	Dec. 66	14,392	42,47		Dec. 66	39,692	24,48
1754	Jan. 0	15 24 16,954	+27 33 29,58	1764	Jan. 1	15 24 42,201	+27 31 11,99
	Apr. 10	16,872	30,19		Apr. 10	42,279	11,54
	Jul. 19	16,791	30,74		Jul. 19	42,355	11,15
	Oct. 27	16,710	31,24		Oct. 27	42,429	10,81
	Dec. 66	16,629	31,69		Dec. 66	42,502	10,53
1755	Jan. 0	15 24 19,190	+27 33 18,87	1765	Jan. 0	15 24 45,013	+27 30 57,97
	Apr. 10	19,110	19,28		Apr. 10	45,084	57,73
	Jul. 19	19,032	19,62		Jul. 19	45,151	57,56
	Oct. 27	18,957	19,90		Oct. 27	45,214	57,46
	Dec. 66	18,885	20,11		Dec. 66	45,274	57,42
1756	Jan. 1	15 24 21,443	+27 33 7,37	1766	Jan. 0	15 24 47,790	+27 30 44,78
	Apr. 10	21,373	7,54		Apr. 10	47,846	44,78
	Jul. 19	21,308	7,63		Jul. 19	47,897	44,85
	Oct. 27	21,249	7,65		Oct. 27	47,942	44,99
	Dec. 66	21,194	7,60		Dec. 66	47,982	45,19
1757	Jan. 0	15 24 23,746	+27 32 54,96	1767	Jan. 0	15 24 50,505	+27 30 32,48
	Apr. 10	23,695	54,86		Apr. 10	50,540	32,73
	Jul. 19	23,651	54,69		Jul. 19	50,569	33,03
	Oct. 27	23,613	54,46		Oct. 27	50,591	33,40
	Dec. 66	23,582	54,15		Dec. 66	50,607	33,82
1758	Jan. 0	15 24 26,127	+27 32 41,59	1768	Jan. 1	15 24 53,138	+27 30 21,04
	Apr. 10	26,101	41,24		Apr. 10	53,149	21,50
	Jul. 19	26,082	40,84		Jul. 19	53,152	22,01
	Oct. 27	26,071	40,38		Oct. 27	53,148	22,57
	Dec. 66	26,067	39,86		Dec. 66	53,137	23,18
1759	Jan. 0	15 24 28,602	+27 32 27,38	1769	Jan. 0	15 24 55,677	+27 30 10,34
	Apr. 10	28,603	26,83		Apr. 10	55,661	10,98
	Jul. 19	28,612	26,24		Jul. 19	55,638	11,65
	Oct. 27	28,627	25,61		Oct. 27	55,608	12,34
	Dec. 66	28,650	24,94		Dec. 66	55,571	13,07

Tabulae X. Sect. I. *α Coronae.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	′		″					h ′ ″	° ′ ″
Jan. 0	−1,007	+28,2	− 7,85	−27,4	−2	+2	1750	15 24 6,6600	+27 34 15,516
10	−0,711	+30,7	−10,48	−24,7	−2	+2	1751	24 9,1946	34 2,827
20	−0,393	+32,3	−12,80	−21,3	−2	+2	1752	24 11,7292	33 50,141
30	−0,065	+32,9	−14,73	−17,1	−3	+2	1753	24 14,2639	33 37,458
Febr. 9	+0,265	+32,7	−16,21	−12,3	−3	+1	1754	24 16,7986	33 24,778
							1755	24 19,3333	33 12,100
19	+0,589	+31,7	−17,18	− 7,2	−3	+1	1756	24 21,8680	32 59,427
Mart. 1	+0,898	+29,9	−17,64	− 2,0	−3	+1	1757	24 24,4028	32 46,756
11	+1,186	+27,6	−17,57	+ 3,2	−3	0	1758	24 26,9376	32 34,088
21	+1,449	+24,9	−17,01	+ 7,9	−2	0	1759	24 29,4724	32 21,423
31	+1,684	+21,9	−15,99	+12,2	−2	0	1760	24 32,0072	32 8,760
							1761	24 34,5421	31 56,101
Apr. 10	+1,887	+18,7	−14,57	+15,8	−2	0	1762	24 37,0770	31 43,445
20	+2,058	+15,5	−12,83	+18,6	−1	−1	1763	24 39,6119	31 30,791
30	+2,196	+12,2	−10,85	+20,6	−1	−1	1764	24 42,1468	31 18,141
Maj. 10	+2,301	+ 8,8	− 8,71	+21,8	0	−1	1765	24 44,6817	31 5,493
20	+2,371	+ 5,3	− 6,49	+22,2	0	−1	1766	24 47,2167	30 52,849
							1767	24 49,7517	30 40,207
30	+2,407	+ 2,0	− 4,28	+21,7	+1	−1	1768	24 52,2867	30 27,568
Jun. 9	+2,411	− 1,3	− 2,15	+20,5	+1	−1	1769	24 54,8218	30 14,933
19	+2,382	− 4,5	− 0,16	+18,8	+1	0	1770	24 57,3569	30 2,300
29	+2,321	− 7,6	+ 1,63	+16,7	+2	0			
Jul. 9	+2,230	−10,5	+ 3,17	+14,1	+2	0			
19	+2,112	−13,0	+ 4,44	+11,1	+2	0			
29	+1,970	−15,2	+ 5,39	+ 7,8	+2	0			
Aug. 8	+1,808	−16,9	+ 6,00	+ 4,4	+3	+1			
18	+1,632	−18,0	+ 6,27	+ 0,9	+3	+1			
28	+1,448	−18,4	+ 6,18	− 2,7	+3	+1			
Sept. 7	+1,264	−18,0	+ 5,73	− 6,4	+3	+2			
17	+1,088	−16,8	+ 4,91	−10,0	+2	+2			
27	+0,928	−14,7	+ 3,73	−13,5	+2	+3			
Oct. 7	+0,795	−11,6	+ 2,21	−17,0	+2	+3			
17	+0,696	− 7,9	+ 0,34	−20,3	+2	+3			
27	+0,638	− 3,4	− 1,84	−23,2	+1	+4			
Nov. 6	+0,629	+ 1,7	− 4,30	−25,8	+1	+4			
16	+0,672	+ 7,0	− 6,99	−27,8	0	+4			
26	+0,768	+12,3	− 9,85	−29,2	0	+5			
Dec. 6	+0,917	+17,4	−12,83	−29,9	0	+5			
16	+1,115	+22,0	−15,82	−29,7	−1	+5			
26	+1,357	+26,1	−18,76	−28,6	−1	+5			
36	+1,636	+29,3	−21,53	−26,6	−2	+5			

Diei reducto addendum est:

ante / post } Nov. 15 { + 1 / + 2

In mensa. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *a Serpentis.*

1750	Jan. 0	15 31 59,207	+ 7 13 43,44	1760	Jan. 1	15 32 26,708	+ 7 11 52,10
	Apr. 10	59,217	44,04		Apr. 10	26,724	51,40
	Jul. 19	59,219	44,67		Jul. 19	26,747	50,68
	Oct. 27	59,212	45,34		Oct. 27	26,778	49,94
	Dec. 66	59,197	46,04		Dec. 66	26,817	49,19
1751	Jan. 0	15 32 2,148	+ 7 13 33,76	1761	Jan. 0	15 32 29,748	+ 7 11 37,44
	Apr. 10	2,127	34,48		Apr. 10	29,792	36,69
	Jul. 19	2,098	35,22		Jul. 19	29,842	35,94
	Oct. 27	2,062	35,97		Oct. 27	29,898	35,20
	Dec. 66	2,018	36,74		Dec. 66	29,961	34,47
1752	Jan. 1	15 32 4,978	+ 7 13 24,45	1762	Jan. 0	15 32 32,884	+ 7 11 22,71
	Apr. 10	4,929	25,22		Apr. 10	32,951	21,99
	Jul. 19	4,873	25,98		Jul. 19	33,022	21,30
	Oct. 27	4,810	26,73		Oct. 27	33,097	20,64
	Dec. 66	4,741	27,47		Dec. 66	33,177	20,00
1753	Jan. 0	15 32 7,709	+ 7 13 15,20	1763	Jan. 0	15 32 36,095	+ 7 11 8,22
	Apr. 10	7,636	15,92		Apr. 10	36,177	7,61
	Jul. 19	7,559	16,61		Jul. 19	36,261	7,04
	Oct. 27	7,477	17,27		Oct. 27	36,347	6,52
	Dec. 66	7,391	17,90		Dec. 66	36,435	6,05
1754	Jan. 0	15 32 10,364	+ 7 13 5,67	1764	Jan. 1	15 32 39,350	+ 7 10 54,21
	Apr. 10	10,276	6,27		Apr. 10	39,439	53,78
	Jul. 19	10,186	6,81		Jul. 19	39,527	53,40
	Oct. 27	10,095	7,30		Oct. 27	39,614	53,08
	Dec. 66	10,002	7,78		Dec. 66	39,701	52,82
1755	Jan. 0	15 32 12,978	+ 7 12 55,57	1765	Jan. 0	15 32 42,618	+ 7 10 40,92
	Apr. 10	12,885	55,96		Apr. 10	42,703	40,70
	Jul. 19	12,793	56,29		Jul. 19	42,786	40,55
	Oct. 27	12,705	56,55		Oct. 27	42,866	40,47
	Dec. 66	12,615	56,74		Dec. 66	42,943	40,45
1756	Jan. 1	15 32 15,589	+ 7 12 44,66	1766	Jan. 0	15 32 45,863	+ 7 10 28,47
	Apr. 10	15,502	44,81		Apr. 10	45,937	28,50
	Jul. 19	15,420	44,88		Jul. 19	46,006	28,59
	Oct. 27	15,342	44,88		Oct. 27	46,070	28,75
	Dec. 66	15,269	44,80		Dec. 66	46,128	28,98
1757	Jan. 0	15 32 18,238	+ 7 12 32,82	1767	Jan. 0	15 32 49,054	+ 7 10 16,92
	Apr. 10	18,168	32,70		Apr. 10	49,109	17,19
	Jul. 19	18,105	32,51		Jul. 19	49,156	17,52
	Oct. 27	18,048	32,25		Oct. 27	49,196	17,91
	Dec. 66	17,998	31,92		Dec. 66	49,229	18,36
1758	Jan. 0	15 32 20,959	+ 7 12 20,03	1768	Jan. 1	15 32 52,164	+ 7 10 6,23
	Apr. 10	20,914	19,66		Apr. 10	52,193	6,72
	Jul. 19	20,877	19,23		Jul. 19	52,215	7,25
	Oct. 27	20,848	18,75		Oct. 27	52,225	7,84
	Dec. 66	20,828	18,21		Dec. 66	52,229	8,47
1759	Jan. 0	15 32 23,779	+ 7 12 6,39	1769	Jan. 0	15 32 55,174	+ 7 9 56,28
	Apr. 10	23,764	5,82		Apr. 10	55,172	56,94
	Jul. 19	23,757	5,21		Jul. 19	55,162	57,62
	Oct. 27	23,758	4,56		Oct. 27	55,144	58,35
	Dec. 66	23,768	3,87		Dec. 66	55,118	59,07

Tabulae X. Sect. I. *a Serpentis.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	′	″	s	″	″			h ′ ″	° ′ ″
Jan. 10	−0,921	+27,0	− 2,87	−21,6	−2	+1	1750	15 31 58,2371	+ 7 13 48,730
18	−0,638	+29,2	− 4,99	−20,6	−2	+2	1751	32 1,1815	13 36,697
28	−0,337	+30,6	− 6,98	−18,9	−3	+2	1752	32 4,1260	13 24,667
Febr. 7	−0,027	+31,0	− 8,77	−16,5	−3	+2	1753	32 7,0706	13 12,642
17	+0,283	+30,7	−10,28	−13,7	−3	+2	1754	32 10,0152	13 0,619
							1755	32 12,9600	12 48,600
27	+0,586	+29,7	−11,48	−10,3	−3	+2	1756	32 15,9048	12 36,584
Mart. 7	+0,876	+28,2	−12,33	− 6,7	−3	+1	1757	32 18,8496	12 24,572
11	+1,149	+26,3	−12,81	− 3,0	−2	+1	1758	32 21,7945	12 12,563
21	+1,401	+24,0	−12,93	+ 0,6	−2	+1	1759	32 24,7394	12 0,558
31	+1,629	+21,6	−12,70	+ 3,9	−2	+1	1760	32 27,6843	11 48,556
							1761	32 30,6294	11 36,558
Apr. 10	+1,832	+19,0	−12,16	+ 6,7	−1	+1	1762	32 33,5745	11 24,563
20	+2,009	+16,3	−11,36	+ 9,1	−1	+1	1763	32 36,5197	11 12,572
30	+2,158	+13,6	−10,35	+11,0	0	+1	1764	32 39,4650	11 0,584
Maj. 10	+2,280	+10,8	− 9,17	+12,3	0	+1	1765	32 42,4103	10 48,600
20	+2,374	+ 7,9	− 7,90	+12,9	+1	+1	1766	32 45,3557	10 36,619
							1767	32 48,3012	10 24,642
30	+2,438	+ 5,0	− 6,59	+13,2	+1	+1	1768	32 51,2467	10 12,668
Jun. 9	+2,473	+ 2,0	− 5,27	+12,9	+1	+1	1769	32 54,1923	10 0,698
19	+2,478	− 1,0	− 4,01	+12,2	+2	+1	1770	32 57,1379	9 48,731
29	+2,453	− 3,9	− 2,83	+11,3	+2	+1			
Jul. 9	+2,400	− 6,7	− 1,76	+10,0	+2	+1			
19	+2,319	− 9,4	− 0,83	+ 8,5	+3	+1			
29	+2,213	−11,6	− 0,07	+ 6,8	+3	+1			
Aug. 8	+2,087	−13,5	+ 0,53	+ 5,1	+3	+1			
18	+1,944	−14,8	+ 0,94	+ 3,0	+3	+1			
28	+1,792	−15,4	+ 1,15	+ 1,0	+3	+1			
Sept. 7	+1,637	−15,3	+ 1,15	− 1,1	+3	+2			
17	+1,487	−14,3	+ 0,94	− 3,3	+3	+2			
27	+1,352	−12,3	+ 0,49	− 5,7	+3	+2			
Oct. 7	+1,241	− 9,6	− 0,19	− 8,0	+2	+2			
17	+1,161	− 6,1	− 1,11	−10,5	+2	+3			
27	+1,120	− 1,9	− 2,28	−12,9	+1	+3			
Nov. 6	+1,124	+ 2,8	− 3,69	−15,3	+1	+3			
16	+1,176	+ 7,7	− 5,33	−17,5	+1	+4			
26	+1,278	+12,7	− 7,18	−19,3	0	+4			
Dec. 6	+1,429	+17,4	− 9,19	−20,7	0	+4			
16	+1,625	+21,6	−11,32	−21,6	−1	+5			
26	+1,860	+25,2	−13,50	−21,8	−1	+5			
36	+2,128	+28,0	−15,67	−21,3	−2	+5			

Diei reducto addendum est:

ante } Nov. 17 { + 1
post } { + 2

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *α Scorpii.*

		h m s	° ′ ″			h m s	° ′ ″
1750	Jan. 0	16 14 8,506	−25 51 10,16	1760	Jan. 1	16 14 42,617	−25 52 32,91
	Apr. 10	8,535	9,47		Apr. 10	42,619	33,68
	Jul. 19	8,554	8,75		Jul. 19	42,632	34,46
	Oct. 27	8,563	8,00		Oct. 27	42,654	35,24
	Dec. 66	8,563	7,23		Dec. 66	42,686	36,01
1751	Jan. 0	16 14 12,214	−25 51 16,48	1761	Jan. 0	16 14 46,326	−25 52 44,69
	Apr. 10	12,205	15,70		Apr. 10	46,365	45,49
	Jul. 19	12,186	14,91		Jul. 19	46,413	46,26
	Oct. 27	12,157	14,12		Oct. 27	46,470	47,01
	Dec. 66	12,117	13,32		Dec. 66	46,535	47,73
1752	Jan. 1	16 14 15,782	−25 51 22,56	1762	Jan. 0	16 14 50,164	−25 52 56,42
	Apr. 10	15,736	21,77		Apr. 10	50,235	57,13
	Jul. 19	15,680	21,01		Jul. 19	50,312	57,80
	Oct. 27	15,615	20,26		Oct. 27	50,396	58,43
	Dec. 66	15,541	19,54		Dec. 66	50,487	59,02
1753	Jan. 0	16 14 19,217	−25 51 28,75	1763	Jan. 0	16 14 54,108	−25 53 7,76
	Apr. 10	19,137	28,05		Apr. 10	54,203	8,32
	Jul. 19	19,051	27,39		Jul. 19	54,301	8,82
	Oct. 27	18,958	26,78		Oct. 27	54,403	9,26
	Dec. 66	18,858	26,21		Dec. 66	54,508	9,64
1754	Jan. 0	16 14 22,543	−25 51 35,36	1764	Jan. 1	16 14 58,125	−25 53 18,46
	Apr. 10	22,439	34,83		Apr. 10	58,233	18,81
	Jul. 19	22,332	34,37		Jul. 19	58,342	19,10
	Oct. 27	22,221	33,96		Oct. 27	58,452	19,32
	Dec. 66	22,107	33,62		Dec. 66	58,563	19,47
1755	Jan. 0	16 14 25,796	−25 51 42,69	1765	Jan. 0	16 15 2,178	−25 53 28,54
	Apr. 10	25,681	42,39		Apr. 10	2,288	28,45
	Jul. 19	25,566	42,17		Jul. 19	2,396	28,49
	Oct. 27	25,451	42,02		Oct. 27	2,502	28,45
	Dec. 66	25,336	41,95		Dec. 66	2,605	28,55
1756	Jan. 1	16 14 29,025	−25 51 50,93	1766	Jan. 0	16 15 6,223	−25 53 37,31
	Apr. 10	28,912	50,91		Apr. 10	6,324	37,16
	Jul. 19	28,803	50,96		Jul. 19	6,419	36,94
	Oct. 27	28,697	51,08		Oct. 27	6,509	36,65
	Dec. 66	28,596	51,29		Dec. 66	6,594	36,30
1757	Jan. 0	16 14 32,280	−25 52 0,17	1767	Jan. 0	16 15 10,219	−25 53 45,34
	Apr. 10	32,182	0,42		Apr. 10	10,300	44,94
	Jul. 19	32,092	0,74		Jul. 19	10,372	44,49
	Oct. 27	32,009	1,12		Oct. 27	10,437	43,98
	Dec. 66	31,933	1,57		Dec. 66	10,494	43,42
1758	Jan. 0	16 14 35,609	−25 52 10,87	1768	Jan. 1	16 15 14,128	−25 53 52,52
	Apr. 10	35,538	10,86		Apr. 10	14,179	51,92
	Jul. 19	35,477	11,40		Jul. 19	14,221	51,29
	Oct. 27	35,425	12,00		Oct. 27	14,252	50,61
	Dec. 66	35,383	12,65		Dec. 66	14,274	49,89
1759	Jan. 0	16 14 39,047	−25 52 21,86	1769	Jan. 0	16 15 17,921	−25 53 59,03
	Apr. 10	39,011	22,04		Apr. 10	17,936	58,30
	Jul. 19	38,986	22,74		Jul. 19	17,940	57,54
	Oct. 27	38,970	23,47		Oct. 27	17,934	56,77
	Dec. 66	38,965	24,23		Dec. 66	17,918	55,97

Tabulae X. Sect. I. *a Scorpii.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	″		″					h ′ ″	° ′ ″
Jan. 0	−1,180	+27,9	+ 4,27	− 5,0	−3	−1	1750	16 14 7,3354	−25 51 5,722
10	−0,886	+30,6	+ 3,69	− 6,6	−3	−1	1751	14 10,9853	51 14,708
20	−0,568	+32,6	+ 2,95	− 7,9	−3	0	1752	14 14,6354	51 23,688
30	−0,234	+33,7	+ 2,11	− 8,8	−4	0	1753	14 18,2857	51 32,664
Febr. 9	+0,106	+34,0	+ 1,20	− 9,3	−4	+1	1754	14 21,9361	51 41,634
							1755	14 25,5867	51 50,600
19	+0,446	+33,7	+ 0,25	− 9,5	−4	+1	1756	14 29,2374	51 59,561
Mart. 1	+0,779	+32,8	− 0,70	− 9,4	−3	+2	1757	14 32,8883	52 8,517
11	+1,101	+31,4	− 1,62	− 9,0	−3	+2	1758	14 36,5393	52 17,469
21	+1,407	+29,7	− 2,49	− 8,4	−3	+3	1759	14 40,1905	52 26,415
31	+1,695	+27,8	− 3,29	− 7,7	−2	+3	1760	14 43,8419	52 35,357
							1761	14 47,4934	52 44,294
Apr. 10	+1,962	+25,6	− 4,02	− 7,0	−2	+3	1762	14 51,1451	52 53,226
20	+2,206	+23,2	− 4,68	− 6,3	−1	+4	1763	14 54,7969	53 2,153
30	+2,426	+20,6	− 5,28	− 5,7	−1	+4	1764	14 58,4489	53 11,075
Maj. 10	+2,617	+17,7	− 5,82	− 5,2	0	+4	1765	15 2,1011	53 19,993
20	+2,779	+14,6	− 6,31	− 4,7	+1	+4	1766	15 5,7534	53 28,905
							1767	15 9,4059	53 37,813
30	+2,909	+11,3	− 6,76	− 4,3	+1	+4	1768	15 13,0585	53 46,716
Jun. 9	+3,005	+ 7,8	− 7,16	− 3,8	+2	+4	1769	15 16,7113	53 55,614
19	+3,065	+ 4,1	− 7,52	− 3,4	+2	+4	1770	15 20,3641	54 4,507
29	+3,087	+ 0,3	− 7,83	− 2,9	+3	+4			
Jul. 9	+3,071	− 3,5	− 8,09	− 2,2	+4	+4			
19	+3,018	− 7,1	− 8,27	− 1,4	+4	+4			
29	+2,929	−10,5	− 8,37	− 0,6	+4	+3			
Aug. 8	+2,809	−13,3	− 8,38	+ 0,5	+4	+3			
18	+2,663	−15,6	− 8,28	+ 1,5	+5	+3			
28	+2,498	−17,0	− 8,08	+ 2,6	+5	+2			
Sept. 7	+2,323	−17,5	− 7,76	+ 3,7	+5	+2			
17	+2,148	−17,0	− 7,35	+ 4,6	+4	+2			
27	+1,983	−15,5	− 6,85	+ 5,2	+4	+2			
Oct. 7	+1,838	−12,9	− 6,31	+ 5,6	+4	+1			
17	+1,725	− 9,3	− 5,74	+ 5,6	+3	+1			
27	+1,652	− 4,9	− 5,19	+ 5,2	+3	+1			
Nov. 6	+1,628	+ 0,2	− 4,70	+ 4,4	+2	+1			
16	+1,656	+ 5,6	− 4,31	+ 3,2	+2	+2			
26	+1,740	+11,1	− 4,06	+ 1,7	+1	+2			
Dec. 6	+1,878	+16,4	− 3,98	− 0,2	0	+2			
16	+2,068	+21,3	− 4,09	− 2,1	0	+3			
26	+2,304	+25,5	− 4,39	− 3,9	−1	+3			
36	+2,578	+29,0	− 4,87	− 5,6	−1	+4			

Diei reducto addendum est:

ante / post } Nov. 27 { + 1 / + 2

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *α Herculis.*

1750	Jan. 0	17 3 16,495	+14 41 39,63	1760	Jan. 1	17 3 41,966	+14 40 55,29
	Apr. 10	16,505	40,40		Apr. 10	41,980	54,47
	Jul. 19	16,507	41,19		Jul. 19	42,001	53,66
	Oct. 27	16,501	41,99		Oct. 27	42,029	52,86
	Dec. 66	16,488	42,81		Dec. 66	42,065	52,06
1751	Jan. 0	17 3 19,221	+14 41 37,65	1761	Jan. 0	17 3 44,781	+14 40 47,48
	Apr. 10	19,202	38,47		Apr. 10	44,821	46,70
	Jul. 19	19,176	39,29		Jul. 19	44,867	45,95
	Oct. 27	19,143	40,09		Oct. 27	44,919	45,22
	Dec. 66	19,102	40,89		Dec. 66	44,977	44,53
1752	Jan. 1	17 3 21,844	+14 41 35,74	1762	Jan. 0	17 3 47,686	+14 40 39,92
	Apr. 10	21,799	36,53		Apr. 10	47,747	39,26
	Jul. 19	21,747	37,27		Jul. 19	47,813	38,64
	Oct. 27	21,689	37,98		Oct. 27	47,883	38,08
	Dec. 66	21,624	38,66		Dec. 66	47,957	37,56
1753	Jan. 0	17 3 24,374	+14 41 33,56	1763	Jan. 0	17 3 50,660	+14 40 32,89
	Apr. 10	24,307	34,21		Apr. 10	50,736	32,41
	Jul. 19	24,235	34,80		Jul. 19	50,814	32,00
	Oct. 27	24,159	35,33		Oct. 27	50,894	31,65
	Dec. 66	24,079	35,81		Dec. 66	50,975	31,37
1754	Jan. 0	17 3 26,834	+14 41 30,79	1764	Jan. 1	17 3 53,676	+14 40 26,63
	Apr. 10	26,752	31,22		Apr. 10	53,758	26,39
	Jul. 19	26,668	31,59		Jul. 19	53,840	26,22
	Oct. 27	26,583	31,88		Oct. 27	53,922	26,12
	Dec. 66	26,497	32,10		Dec. 66	54,003	26,10
1755	Jan. 0	17 3 29,254	+14 41 27,17	1765	Jan. 0	17 3 56,704	+14 40 21,27
	Apr. 10	29,167	27,34		Apr. 10	56,784	21,30
	Jul. 19	29,082	27,43		Jul. 19	56,861	21,39
	Oct. 27	28,998	27,44		Oct. 27	56,935	21,56
	Dec. 66	28,916	27,37		Dec. 66	57,007	21,80
1756	Jan. 1	17 3 31,671	+14 41 22,54	1766	Jan. 0	17 3 59,712	+14 40 16,89
	Apr. 10	31,591	22,42		Apr. 10	59,781	17,17
	Jul. 19	31,514	22,23		Jul. 19	59,845	17,52
	Oct. 27	31,442	21,97		Oct. 27	59,904	17,93
	Dec. 66	31,373	21,63		Dec. 66	59,959	18,41
1757	Jan. 0	17 3 34,123	+14 41 16,89	1767	Jan. 0	17 4 2,670	+14 40 13,42
	Apr. 10	34,058	16,50		Apr. 10	2,721	13,94
	Jul. 19	33,999	16,05		Jul. 19	2,765	14,51
	Oct. 27	33,945	15,54		Oct. 27	2,803	15,13
	Dec. 66	33,900	14,96		Dec. 66	2,834	15,80
1758	Jan. 0	17 3 36,643	+14 41 10,31	1768	Jan. 1	17 4 5,553	+14 40 10,75
	Apr. 10	36,601	9,70		Apr. 10	5,580	11,45
	Jul. 19	36,566	9,04		Jul. 19	5,599	12,18
	Oct. 27	36,539	8,35		Oct. 27	5,611	12,93
	Dec. 66	36,519	7,61		Dec. 66	5,615	13,72
1759	Jan. 0	17 3 39,253	+14 41 8,01	1769	Jan. 0	17 4 8,343	+14 40 8,64
	Apr. 10	39,238	2,25		Apr. 10	8,341	9,44
	Jul. 19	39,232	1,48		Jul. 19	8,332	10,25
	Oct. 27	39,232	0,68		Oct. 27	8,316	11,07
	Dec. 66	39,241	40 59,87		Dec. 66	8,292	11,89

Tabulae X. Sect. I. *a Hercule.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″				h ′ ″	° ′ ″
Jan. 0	−1,258	+19,5	− 2,89	−23,6	−1	+1	1750	17 3 15,5936	+14 41 42,874
10	−1,045	+22,8	− 5,21	−22,7	−1	+1	1751	3 18,3215	41 37,991
20	−0,802	+25,5	− 7,42	−21,0	−2	+1	1752	3 21,0494	41 33,112
30	−0,535	+27,6	− 9,40	−18,4	−2	+1	1753	3 23,7773	41 28,237
Febr. 9	−0,251	+28,9	−11,10	−15,3	−2	+1	1754	3 26,5053	41 23,366
							1755	3 29,2333	41 18,500
19	+0,042	+29,5	−12,45	−11,5	−3	+1	1756	3 31,9614	41 13,637
Mart. 1	+0,338	+29,5	−13,39	− 7,3	−3	+1	1757	3 34,6894	41 8,778
11	+0,632	+29,1	−13,90	− 2,9	−3	+1	1758	3 37,4176	41 3,923
21	+0,919	+28,2	−13,97	+ 1,5	−2	+1	1759	3 40,1457	40 59,072
31	+1,196	+27,0	−13,61	+ 5,7	−2	+1	1760	3 42,8739	40 54,223
							1761	3 45,6021	40 49,379
Apr. 10	+1,458	+25,3	−12,84	+ 9,5	−2	+1	1762	3 48,3304	40 44,539
20	+1,702	+23,4	−11,72	+12,7	−2	+1	1763	3 51,0587	40 39,703
30	+1,925	+21,1	−10,30	+15,4	−1	+1	1764	3 53,7870	40 34,871
Maj. 10	+2,124	+18,6	− 8,64	+17,5	−1	+1	1765	3 56,5154	40 30,043
20	+2,296	+15,8	− 6,80	+18,9	−1	+1	1766	3 59,2438	40 25,219
							1767	4 1,9723	40 20,399
30	+2,439	+12,7	− 4,87	+19,5	0	+1	1768	4 4,7008	40 15,582
Jun. 9	+2,549	+ 9,2	− 2,91	+19,5	0	+1	1769	4 7,4293	40 10,769
19	+2,623	+ 5,7	− 0,97	+19,0	+1	+1	1770	4 10,1579	40 5,960
29	+2,662	+ 2,0	+ 0,88	+17,9	+1	+1			
Jul. 9	+2,668	− 1,8	+ 2,61	+16,4	+1	+1			
19	+2,626	− 5,5	+ 4,16	+14,5	+2	+1			
29	+2,554	− 8,9	+ 5,50	+12,3	+2	+1			
Aug. 8	+2,448	−12,1	+ 6,62	+ 9,9	+2	+1			
18	+2,312	−14,7	+ 7,48	+ 7,3	+2	+2			
28	+2,154	−16,7	+ 8,08	+ 4,7	+3	+2			
Sept. 7	+1,978	−18,0	+ 8,41	+ 1,8	+3	+2			
17	+1,795	−18,3	+ 8,44	− 1,1	+3	+2			
27	+1,613	−17,7	+ 8,19	− 4,1	+3	+2			
Oct. 7	+1,442	−16,1	+ 7,63	− 7,1	+3	+3			
17	+1,291	−13,7	+ 6,78	−10,0	+2	+3			
27	+1,169	−10,4	+ 5,64	−12,9	+2	+3			
Nov. 6	+1,084	− 6,3	+ 4,21	−15,7	+2	+4			
16	+1,043	− 1,8	+ 2,51	−18,2	+1	+4			
26	+1,049	+ 3,1	+ 0,57	−20,4	+1	+4			
Dec. 6	+1,104	+ 7,9	− 1,57	−22,1	+1	+4			
16	+1,207	+12,6	− 3,85	−23,2	0	+4			
26	+1,356	+16,0	− 6,21	−23,7	0	+5			
36	+1,546	+20,8	− 8,58	−23,4	−1	+5			

Diei reducto addendum est:

ante } Dec. 8 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *α Ophiuchi.*

1750	Jan. 0	17 23 21,546	+12 45 41,46	1760	Jan. 1	17 23 47,458	+12 45 10,81
	Apr. 10	21,557	42,25		Apr. 10	47,470	9,99
	Jul. 19	21,561	43,06		Jul. 19	47,490	9,18
	Oct. 27	21,557	43,87		Oct. 27	47,517	8,37
	Dec. 66	21,545	44,70		Dec. 66	47,552	7,58
1751	Jan. 0	17 23 24,324	+12 45 41,02	1761	Jan. 0	17 23 50,315	+12 45 4,48
	Apr. 10	24,307	41,85		Apr. 10	50,354	3,71
	Jul. 19	24,282	42,66		Jul. 19	50,400	2,97
	Oct. 27	24,249	43,46		Oct. 27	50,451	2,27
	Dec. 66	24,209	44,25		Dec. 66	50,509	1,60
1752	Jan. 1	17 23 26,998	+12 45 40,59	1762	Jan. 0	17 23 53,264	+12 44 58,46
	Apr. 10	26,953	41,35		Apr. 10	53,325	57,82
	Jul. 19	26,901	42,08		Jul. 19	53,391	57,24
	Oct. 27	26,844	42,77		Oct. 27	53,461	56,71
	Dec. 66	26,780	43,42		Dec. 66	53,536	56,23
1753	Jan. 0	17 23 29,577	+12 45 39,81	1763	Jan. 0	17 23 56,285	+12 44 53,03
	Apr. 10	29,509	40,43		Apr. 10	56,362	52,60
	Jul. 19	29,437	40,98		Jul. 19	56,440	52,23
	Oct. 27	29,361	41,48		Oct. 27	56,521	51,93
	Dec. 66	29,280	41,91		Dec. 66	56,603	51,69
1754	Jan. 0	17 23 32,082	+12 45 38,39	1764	Jan. 1	17 23 59,351	+12 44 48,41
	Apr. 10	31,999	38,78		Apr. 10	59,434	48,22
	Jul. 19	31,915	39,09		Jul. 19	59,517	48,11
	Oct. 27	31,829	39,33		Oct. 27	59,600	48,06
	Dec. 66	31,741	39,50		Dec. 66	59,682	48,09
1755	Jan. 0	17 23 34,545	+12 45 36,06	1765	Jan. 0	17 24 2,430	+12 44 44,73
	Apr. 10	34,457	36,18		Apr. 10	2,511	44,80
	Jul. 19	34,371	36,21		Jul. 19	2,590	44,95
	Oct. 27	34,285	36,17		Oct. 27	2,666	45,17
	Dec. 66	34,201	36,05		Dec. 66	2,739	45,46
1756	Jan. 1	17 23 37,004	+12 45 32,72	1766	Jan. 0	17 24 5,490	+12 44 42,02
	Apr. 10	36,921	32,55		Apr. 10	5,561	42,35
	Jul. 19	36,843	32,30		Jul. 19	5,627	42,75
	Oct. 27	36,768	31,98		Oct. 27	5,688	43,21
	Dec. 66	36,698	31,58		Dec. 66	5,745	43,74
1757	Jan. 0	17 23 39,496	+12 45 28,34	1767	Jan. 0	17 24 8,502	+12 44 40,22
	Apr. 10	39,428	27,90		Apr. 10	8,555	40,78
	Jul. 19	39,367	27,40		Jul. 19	8,601	41,39
	Oct. 27	39,312	26,85		Oct. 27	8,641	42,05
	Dec. 66	39,264	26,23		Dec. 66	8,674	42,75
1758	Jan. 0	17 23 42,054	+12 45 23,07	1768	Jan. 1	17 24 11,489	+12 44 39,18
	Apr. 10	42,010	22,42		Apr. 10	11,467	39,91
	Jul. 19	41,974	21,75		Jul. 19	11,488	40,66
	Oct. 27	41,945	21,00		Oct. 27	11,501	41,44
	Dec. 66	41,923	20,23		Dec. 66	11,507	42,25
1759	Jan. 0	17 23 44,704	+12 45 17,12	1769	Jan. 0	17 24 14,281	+12 44 38,65
	Apr. 10	44,688	16,34		Apr. 10	14,281	39,46
	Jul. 19	44,679	15,54		Jul. 19	14,274	40,28
	Oct. 27	44,679	14,73		Oct. 27	14,259	41,10
	Dec. 66	44,686	13,90		Dec. 66	14,236	41,93

Tabulae X. Sect. I. *a Ophiuchi.*

	1760		1760		Var. 10 annor.	
	″	″	″	″		
Jan. 0	−1,288	+17,7	− 2,25	−22,4	−1	+1
10	−1,093	+21,2	− 4,47	−21,8	−1	+1
20	−0,865	+24,1	− 6,60	−20,3	−2	+1
30	−0,612	+26,3	− 8,53	−18,1	−2	+1
Febr. 9	−0,340	+27,9	−10,21	−15,2	−2	+1
19	−0,055	+28,8	−11,56	−11,6	−2	+1
Mart. 1	+0,236	+29,2	−12,53	− 7,6	−3	+1
11	+0,528	+29,1	−13,08	− 3,5	−3	+1
21	+0,817	+28,5	−13,22	+ 0,8	−2	+1
31	+1,098	+27,6	−12,93	+ 4,9	−2	+1
Apr. 10	+1,368	+26,3	−12,25	+ 8,6	−2	+1
20	+1,624	+24,7	−11,21	+11,9	−2	+1
30	+1,861	+22,7	− 9,87	+14,7	−2	+1
Maj. 10	+2,077	+20,3	− 8,28	+16,8	−1	+1
20	+2,267	+17,6	− 6,52	+18,2	−1	+1
30	+2,429	+14,6	− 4,64	+19,0	0	+1
Jun. 9	+2,559	+11,3	− 2,72	+19,2	0	+1
19	+2,654	+ 7,7	− 0,81	+18,7	0	+1
29	+2,713	+ 4,0	+ 1,02	+17,8	+1	+1
Jul. 9	+2,733	+ 0,1	+ 2,74	+16,4	+1	+1
19	+2,714	− 3,8	+ 4,30	+14,7	+2	+1
29	+2,657	− 7,5	+ 5,67	+12,7	+2	+2
Aug. 8	+2,565	−10,8	+ 6,83	+10,4	+2	+2
18	+2,441	−13,7	+ 7,75	+ 8,0	+2	+2
28	+2,291	−16,0	+ 8,42	+ 5,4	+3	+2
Sept. 7	+2,121	−17,6	+ 8,82	+ 2,7	+3	+2
17	+1,940	−18,2	+ 8,96	0,0	+3	+3
27	+1,757	−17,9	+ 8,82	− 2,9	+3	+3
Oct. 7	+1,582	−16,7	+ 8,39	− 5,7	+3	+3
17	+1,423	−14,5	+ 7,68	− 8,5	+2	+3
27	+1,292	−11,4	+ 6,69	−11,3	+2	+4
Nov. 6	+1,195	− 7,7	+ 5,42	−14,0	+2	+4
16	+1,139	− 3,3	+ 3,89	−16,5	+2	+4
26	+1,129	+ 1,4	+ 2,12	−18,7	+1	+4
Dec. 6	+1,167	+ 6,2	+ 0,15	−20,5	+1	+5
16	+1,252	+10,8	− 1,98	−21,8	0	+5
26	+1,383	+15,4	− 4,21	−22,4	0	+5
36	+1,556	+19,1	− 6,46	−22,3	−1	+5

	A. R. med.	Decl. med.
	h ′ ″	° ′ ″
1750	17 23 20,6339	+12 45 44,172
1751	23 23,4084	45 40,770
1752	23 26,1829	45 37,371
1753	23 28,9575	45 33,977
1754	23 31,7321	45 30,586
1755	23 34,5067	45 27,200
1756	23 37,2814	45 23,817
1757	23 40,0561	45 20,439
1758	23 42,8308	45 17,064
1759	23 45,6056	45 13,694
1760	23 48,3804	45 10,327
1761	23 51,1552	45 6,965
1762	23 53,9301	45 3,606
1763	23 56,7050	45 0,252
1764	23 59,4799	44 56,901
1765	24 2,2550	44 53,555
1766	24 5,0300	44 50,213
1767	24 7,8051	44 46,874
1768	24 10,5802	44 43,540
1769	24 13,3553	44 40,209
1770	24 16,1304	44 36,883

Diei reducto addendum est:

ante } Dec. 13 { + 1
post } { + 2

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *α Lyrae.*

		h ′ ″	° ′ ″			h ′ ″	° ′ ″
1750	Jan. 0	18 28 29,279	+38 33 56,71	1760	Jan. 1	18 28 48,243	+38 34 23,90
	Apr. 10	29,294	57,53		Apr. 10	48,245	23,09
	Jul. 19	29,304	58,35		Jul. 19	48,253	22,31
	Oct. 27	29,308	59,17		Oct. 27	48,266	21,56
	Dec. 66	29,306	59,98		Dec. 66	48,285	20,84
1751	Jan. 0	18 28 31,336	+38 34 2,47	1761	Jan. 0	18 28 50,307	+38 34 23,86
	Apr. 10	31,330	3,27		Apr. 10	50,330	23,16
	Jul. 19	31,318	4,04		Jul. 19	50,357	22,51
	Oct. 27	31,301	4,78		Oct. 27	50,389	21,91
	Dec. 66	31,278	5,49		Dec. 66	50,426	21,35
1752	Jan. 1	18 28 33,315	+38 34 8,02	1762	Jan. 0	18 28 52,442	+38 34 24,32
	Apr. 10	33,288	8,70		Apr. 10	52,482	23,80
	Jul. 19	33,257	9,33		Jul. 19	52,525	23,35
	Oct. 27	33,220	9,91		Oct. 27	52,572	22,96
	Dec. 66	33,179	10,43		Dec. 66	52,623	22,63
1753	Jan. 0	18 28 35,222	+38 34 13,03	1763	Jan. 0	18 28 54,684	+38 34 25,53
	Apr. 10	35,177	13,51		Apr. 10	54,687	25,25
	Jul. 19	35,129	13,92		Jul. 19	54,742	25,03
	Oct. 27	35,077	14,26		Oct. 27	54,799	24,89
	Dec. 66	35,021	14,54		Dec. 66	54,858	24,82
1754	Jan. 0	18 28 37,069	+38 34 17,22	1764	Jan. 1	18 28 56,867	+38 34 27,64
	Apr. 10	37,011	17,45		Apr. 10	56,927	27,62
	Jul. 19	36,952	17,59		Jul. 19	56,987	27,67
	Oct. 27	36,890	17,66		Oct. 27	57,047	27,80
	Dec. 66	36,827	17,65		Dec. 66	57,108	27,99
1755	Jan. 0	18 28 38,877	+38 34 20,43	1765	Jan. 0	18 28 59,117	+38 34 30,72
	Apr. 10	38,813	20,36		Apr. 10	59,177	30,97
	Jul. 19	38,750	20,22		Jul. 19	59,236	31,28
	Oct. 27	38,687	20,00		Oct. 27	59,294	31,66
	Dec. 66	38,624	19,71		Dec. 66	59,351	32,10
1756	Jan. 1	18 28 40,674	+38 34 22,59	1766	Jan. 0	18 29 1,361	+38 34 34,75
	Apr. 10	40,611	22,25		Apr. 10	1,417	35,23
	Jul. 19	40,551	21,84		Jul. 19	1,469	35,77
	Oct. 27	40,494	21,36		Oct. 27	1,518	36,36
	Dec. 66	40,439	20,82		Dec. 66	1,564	37,00
1757	Jan. 0	18 28 42,486	+38 34 23,78	1767	Jan. 0	18 29 3,578	+38 34 39,59
	Apr. 10	42,433	23,20		Apr. 10	3,622	40,26
	Jul. 19	42,383	22,57		Jul. 19	3,661	40,97
	Oct. 27	42,338	21,89		Oct. 27	3,696	41,72
	Dec. 66	42,297	21,17		Dec. 66	3,726	42,50
1758	Jan. 0	18 28 44,339	+38 34 24,20	1768	Jan. 1	18 29 5,745	+38 34 45,04
	Apr. 10	44,301	23,45		Apr. 10	5,772	45,84
	Jul. 19	44,269	22,68		Jul. 19	5,794	46,64
	Oct. 27	44,242	21,89		Oct. 27	5,811	47,46
	Dec. 66	44,220	21,07		Dec. 66	5,822	48,28
1759	Jan. 0	18 28 46,254	+38 34 24,13	1769	Jan. 0	18 29 7,848	+38 34 50,82
	Apr. 10	46,236	23,30		Apr. 10	7,855	51,65
	Jul. 19	46,223	22,48		Jul. 19	7,856	52,46
	Oct. 27	46,216	21,66		Oct. 27	7,852	53,26
	Dec. 66	46,214	20,84		Dec. 66	7,842	54,04

Tabulae X. Sect. I. *α Lyrae.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″	″	″		h ′ ″	° ′ ″
Jan. 0	−1,700	+ 9,1	− 0,98	−31,2	0	+2	1750	18 28 28,6301	+38 33 57,574
10	−1,584	+14,0	− 4,10	−30,8	−1	+2	1751	28 30,6589	34 0,334
20	−1,420	+18,6	− 7,13	−29,3	−1	+2	1752	28 32,6877	34 3,096
30	−1,212	+22,6	− 9,96	−26,8	−1	+2	1753	28 34,7165	34 5,861
Febr. 9	−0,968	+26,0	−12,49	−23,2	−2	+2	1754	28 36,7452	34 8,630
							1755	28 38,7740	34 11,400
19	−0,692	+28,8	−14,60	−18,7	−2	+2	1756	28 40,8028	34 14,175
Mart. 1	−0,392	+30,9	−16,22	−13,5	−2	+1	1757	28 42,8317	34 16,952
11	−0,074	+32,4	−17,29	− 7,8	−2	+1	1758	28 44,8606	34 19,732
21	+0,256	+33,2	−17,78	− 1,9	−2	+1	1759	28 46,8895	34 22,514
31	+0,589	+33,3	−17,67	+ 4,1	−2	0	1760	28 48,9184	34 25,300
							1761	28 50,9473	34 28,089
Apr. 10	+0,921	+32,8	−16,97	+ 9,8	−2	0	1762	28 52,9762	34 30,881
20	+1,244	+31,5	−15,72	+15,0	−2	0	1763	28 55,0051	34 33,676
30	+1,551	+29,6	−13,98	+19,6	−2	0	1764	28 57,0341	34 36,473
Maj. 10	+1,836	+27,2	−11,81	+23,5	−2	0	1765	28 59,0631	34 39,273
20	+2,094	+24,1	− 9,29	+26,6	−1	0	1766	29 1,0921	34 42,076
							1767	29 3,1211	34 44,882
30	+2,317	+20,4	− 6,50	+28,7	−1	0	1768	29 5,1501	34 47,691
Jun. 9	+2,502	+16,4	− 3,55	+30,0	0	0	1769	29 7,1791	34 50,505
19	+2,644	+11,9	− 0,51	+30,4	0	0	1770	29 9,2082	34 53,318
29	+2,739	+ 7,0	+ 2,53	+30,1	0	0			
Jul. 9	+2,784	+ 2,1	+ 5,50	+28,9	+1	0			
19	+2,780	− 3,0	+ 8,31	+27,0	+1	0			
29	+2,725	− 7,9	+10,90	+24,6	+1	0			
Aug. 8	+2,623	−12,5	+13,22	+22,0	+2	+1			
18	+2,476	−16,6	+15,23	+18,3	+2	+1			
28	+2,291	−20,1	+16,87	+14,5	+2	+1			
Sept. 7	+2,074	−22,9	+18,12	+10,4	+2	+1			
17	+1,834	−24,7	+18,95	+ 6,1	+2	+2			
27	+1,580	−25,6	+19,34	+ 1,6	+2	+2			
Oct. 7	+1,323	−25,4	+19,27	− 3,0	+2	+3			
17	+1,073	−24,1	+18,74	− 7,6	+2	+3			
27	+0,841	−21,8	+17,76	−12,1	+2	+3			
Nov. 6	+0,637	−18,6	+16,33	−16,5	+2	+4			
16	+0,470	−14,6	+14,47	−20,6	+2	+4			
26	+0,346	− 9,9	+12,22	−24,2	+1	+4			
Dec. 6	+0,272	− 4,8	+ 9,64	−27,2	+1	+5			
16	+0,250	+ 0,5	+ 6,79	−29,4	+1	+5			
26	+0,282	+ 5,8	+ 3,76	−30,8	0	+5			
36	+0,367	+11,0	+ 0,63	−31,2	0	+5			

Diei reducto addendum est:

ante } Dec. 27 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. γ *Aquilae.*

		h ´ ˝	° ´ ˝			h ´ ˝	° ´ ˝
1750	Jan. 0	19 34 23,156	+ 10 1 24,21	1760	Jan. 1	19 34 49,830	+ 10 2 40.35
	Apr. 10	23,174	25,00		Apr. 10	49,837	39.63
	Jul. 19	23,183	25,77		Jul. 19	49,852	38.95
	Oct. 27	23,185	26,52		Oct. 27	49,875	38.31
	Dec. 66	23,178	27,24		Dec. 66	49,905	37.71
1751	Jan. 0	19 34 26,037	+ 10 1 35,03	1761	Jan. 0	19 34 52,749	+ 10 2 45.96
	Apr. 10	26,025	35,74		Apr. 10	52,784	45.40
	Jul. 19	26,005	36,40		Jul. 19	52,826	44.89
	Oct. 27	25,977	37,02		Oct. 27	52,875	44.44
	Dec. 66	25,941	37,60		Dec. 66	52,930	44.04
1752	Jan. 1	19 34 28,810	+ 10 1 45,44	1762	Jan. 0	19 34 55,766	+ 10 2 52.28
	Apr. 10	28,768	45,98		Apr. 10	55,825	51.88
	Jul. 19	28,720	46,46		Jul. 19	55,889	51.59
	Oct. 27	28,665	46,87		Oct. 27	55,958	51.37
	Dec. 66	28,604	47,23		Dec. 66	56,032	51.22
1753	Jan. 0	19 34 31,481	+ 10 1 55,15	1763	Jan. 0	19 34 58,862	+ 10 2 59.33
	Apr. 10	31,415	55,46		Apr. 10	58,939	59.23
	Jul. 19	31,344	55,69		Jul. 19	59,017	59.19
	Oct. 27	31,268	55,85		Oct. 27	59,099	59.23
	Dec. 66	31,188	55,94		Dec. 66	59,183	59.34
1754	Jan. 0	19 34 34,071	+ 10 2 3,96	1764	Jan. 1	19 35 2,010	+ 10 3 7.37
	Apr. 10	33,988	3,99		Apr. 10	2,095	7.52
	Jul. 19	33,903	3,95		Jul. 19	2,180	7.74
	Oct. 27	33,816	3,84		Oct. 27	2,265	8.03
	Dec. 66	33,726	3,65		Dec. 66	2,351	8,38
1755	Jan. 0	19 34 36,611	+ 10 2 11,76	1765	Jan. 0	19 35 5,178	+ 10 3 16.34
	Apr. 10	36,521	11,52		Apr. 10	5,262	16.79
	Jul. 19	36,431	11,21		Jul. 19	5,346	17.18
	Oct. 27	36,342	10,83		Oct. 27	5,227	17.63
	Dec. 66	36,254	10,38		Dec. 66	5,505	18,25
1756	Jan. 1	19 34 39,139	+ 10 2 18,58	1766	Jan. 0	19 35 8,334	+ 10 3 26,14
	Apr. 10	39,052	18,09		Apr. 10	8,410	26.74
	Jul. 19	38,969	17,55		Jul. 19	8,482	27,37
	Oct. 27	38,889	16,96		Oct. 27	8,549	28.05
	Dec. 66	38,813	16,31		Dec. 66	8,611	28.77
1757	Jan. 0	19 34 41,694	+ 10 2 24,58	1767	Jan. 0	19 35 11,446	+ 10 3 36.61
	Apr. 10	41,621	23,90		Apr. 10	11,505	37.34
	Jul. 19	41,554	23,19		Jul. 19	11,558	38.09
	Oct. 27	41,493	22,45		Oct. 27	11,604	38.87
	Dec. 66	41,438	21,68		Dec. 66	11,643	39,66
1758	Jan. 0	19 34 44,311	+ 10 2 29,99	1768	Jan. 1	19 35 14,486	+ 10 3 47,48
	Apr. 10	44,261	29,20		Apr. 10	14,521	48,27
	Jul. 19	44,218	28,41		Jul. 19	14,548	49,06
	Oct. 27	44,182	27,61		Oct. 27	14,568	49.85
	Dec. 66	44,154	26,81		Dec. 66	14,580	50,63
1759	Jan. 0	19 34 47,018	+ 10 2 35,14	1769	Jan. 0	19 35 17,432	+ 10 3 58,46
	Apr. 10	46,995	34,34		Apr. 10	17,439	59,23
	Jul. 19	46,981	33,56		Jul. 19	17,437	59,97
	Oct. 27	46,974	32,80		Oct. 27	17,427	4 0,67
	Dec. 66	46,976	32,05		Dec. 66	17,409	1,35

Tabulae X. Sect. I. *γ Aquilae.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	′		″					h ′ ″	° ′ ″
Jan. 0	−1,296	+ 5,3	+ 0,06	−17,2	+1	+1	1750	19 34 22,2292	+10 1 23,138
10	−1,223	+ 9,1	− 1,68	−17,4	0	+1	1751	34 25,0847	1 31,163
20	−1,115	+12,5	− 3,41	−16,9	0	+1	1752	34 27,9402	1 39,192
30	−0,974	+15,7	− 5,05	−15,7	−1	+1	1753	34 30,7957	1 47,225
Febr. 9	−0,801	+18,6	− 6,55	−13,8	−1	+1	1754	34 33,6512	1 55,260
							1755	34 36,5067	2 3,300
19	−0,602	+21,2	− 7,81	−11,2	−2	+1	1756	34 39,3622	2 11,344
Mart. 1	−0,377	+23,4	− 8,79	− 8,1	−2	+1	1757	34 42,2177	2 19,392
11	−0,135	+25,2	− 9,43	− 4,6	−2	+1	1758	34 45,0732	2 27,443
21	+0,126	+26,9	− 9,70	− 0,8	−2	+1	1759	34 47,9286	2 35,498
31	+0,402	+28,1	− 9,58	+ 3,2	−3	0	1760	34 50,7840	2 43,557
							1761	34 53,6395	2 51,620
Apr. 10	+0,788	+28,9	− 9,07	+ 7,0	−3	0	1762	34 56,4949	2 59,686
20	+0,980	+29,3	− 8,19	+10,5	−3	0	1763	34 59,3503	3 7,756
30	+1,273	+29,1	− 6,97	+13,7	−3	0	1764	35 2,2056	3 15,830
Maj. 10	+1,561	+28,4	− 5,46	+16,3	−2	0	1765	35 5,0610	3 23,908
20	+1,840	+27,1	− 3,71	+18,4	−2	0	1766	35 7,9164	3 31,990
							1767	35 10,7718	3 40,075
30	+2,102	+25,1	− 1,78	+19,9	−2	+1	1768	35 13,6272	3 48,164
Jun. 9	+2,342	+22,6	+ 0,26	+20,7	−1	+1	1769	35 16,4827	3 56,257
19	+2,554	+19,6	+ 2,36	+21,0	−1	+1	1770	35 19,3381	4 4,363
29	+2,733	+16,0	+ 4,45	+20,7	−1	+1			
Jul. 9	+2,873	+11,9	+ 6,49	+19,8	0	+1			
19	+2,971	+ 7,7	+ 8,41	+18,5	0	+1			
29	+3,026	+ 3,3	+10,19	+16,9	0	+2			
Aug. 8	+3,036	− 1,2	+11,79	+14,9	+1	+2			
18	+3,002	− 5,4	+13,17	+12,8	+1	+2			
28	+2,929	− 9,2	+14,34	+10,5	+2	+2			
Sept. 7	+2,819	−12,4	+15,26	+ 8,0	+2	+3			
17	+2,681	−14,9	+15,94	+ 5,6	+2	+3			
27	+2,521	−16,6	+16,37	+ 3,0	+2	+3			
Oct. 7	+2,349	−17,4	+16,54	+ 0,4	+3	+3			
17	+2,174	−17,2	+16,45	− 2,2	+3	+4			
27	+2,005	−16,2	+16,11	− 4,7	+3	+4			
Nov. 6	+1,851	−14,3	+15,51	− 7,3	+2	+4			
16	+1,720	−11,6	+14,66	− 9,7	+2	+4			
26	+1,619	− 8,4	+13,58	−11,9	+2	+4			
Dec. 6	+1,553	− 4,8	+12,29	−13,9	+2	+5			
16	+1,524	− 1,0	+10,81	−15,5	+1	+5			
26	+1,534	+ 2,9	+ 9,19	−16,7	+1	+5			
36	+1,582	+ 6,8	+ 7,47	−17,4	0	+5			

Diei reducto addendum est:

ante / post } Jan. 11 { 0 / + 1

In mens. Jan. et Febr. annorum bissextorum legitur dies inseqnens.

Tabulae X. Sect. I. *α Aquilae.*

		h ′ ″	° ′ ″			h ′ ″	° ′ ″
1750	Jan. 0	19 38 35,893	+ 8 13 41,18	1760	Jan. 1	19 39 3,280	+ 8 15 4.20
	Apr. 10	35,910	41,96		Apr. 10	3,289	3,48
	Jul. 19	35,919	42,73		Jul. 19	3,304	2,81
	Oct. 27	35,920	43,47		Oct. 27	3,328	2,13
	Dec. 66	35,913	44,19		Dec. 66	3,359	1,59
1751	Jan. 0	19 38 38,846	+ 8 13 52,69	1761	Jan. 0	19 39 6,277	+ 8 15 10.55
	Apr. 10	38,833	53,39		Apr. 10	6,313	9,99
	Jul. 19	38,813	54.04		Jul. 19	6,356	9,49
	Oct. 27	38,784	54,65		Oct. 27	6,406	9,05
	Dec. 66	38,747	55,22		Dec. 66	6,462	8,67
1752	Jan. 1	19 38 41,689	+ 8 14 3,78	1762	Jan. 0	19 39 9,372	+ 8 15 17,57
	Apr. 10	41,647	4,31		Apr. 10	9,433	17.28
	Jul. 19	41,598	4,77		Jul. 19	9,498	16,95
	Oct. 27	41,542	5,18		Oct. 27	9,568	16,74
	Dec. 66	41,479	5,52		Dec. 66	9,643	16,60
1753	Jan. 0	19 38 44,431	+ 8 14 14,16	1763	Jan. 0	19 39 12,547	+ 8 15 25,42
	Apr. 10	44,363	14,46		Apr. 10	12,625	25,33
	Jul. 19	44,291	14,68		Jul. 19	12,705	25,31
	Oct. 27	44,214	14,83		Oct. 27	12,788	25,35
	Dec. 66	44,133	14,90		Dec. 66	12,873	25,47
1754	Jan. 0	19 38 47,090	+ 8 14 23,63	1764	Jan. 1	19 39 15,773	+ 8 15 34,21
	Apr. 10	47,006	23,65		Apr. 10	15,860	34,38
	Jul. 19	46.919	23,60		Jul. 19	15,947	34,61
	Oct. 27	46,830	23,47		Oct. 27	16,033	34,90
	Dec. 66	46,739	23,27		Dec. 66	16,120	35,26
1755	Jan. 0	19 38 49,699	+ 8 14 32,10	1765	Jan. 0	19 39 19,020	+ 8 15 43,93
	Apr. 10	49,607	31,85		Apr. 10	19,106	44.33
	Jul. 19	49,516	31,53		Jul. 19	19,190	44.79
	Oct. 27	49,426	31,14		Oct. 27	19,272	45,30
	Dec. 66	49,337	30,68		Dec. 66	19,351	45,87
1756	Jan. 1	19 38 52,296	+ 8 14 39,60	1766	Jan. 0	19 39 22,254	+ 8 15 54.47
	Apr. 10	52,203	39,10		Apr. 10	22,331	55,07
	Jul. 19	52,124	38,55		Jul. 19	22,403	55,71
	Oct. 27	52,044	37,95		Oct. 27	22,471	56.39
	Dec. 66	51,967	37,29		Dec. 66	22,534	57,11
1757	Jan. 0	19 38 54.922	+ 8 14 46.28	1767	Jan. 0	19 39 25,443	+ 8 16 5.66
	Apr. 10	54.849	45,60		Apr. 10	25,502	6,40
	Jul. 19	54,781	44,90		Jul. 19	25,555	7,15
	Oct. 27	54,720	44.15		Oct. 27	25,601	7,92
	Dec. 66	54,665	43,37		Dec. 66	25,640	8.71
1758	Jan. 0	19 38 57,612	+ 8 14 52,39	1768	Jan. 1	19 39 28,557	+ 8 16 17,25
	Apr. 10	57,561	51,60		Apr. 10	28,592	18,04
	Jul. 19	57,518	50,81		Jul. 19	28,619	18,83
	Oct. 27	57,483	50,02		Oct. 27	28,638	19,61
	Dec. 66	57,455	49,22		Dec. 66	28,649	20.38
1759	Jan. 0	19 39 0,393	+ 8 14 58,25	1769	Jan. 0	19 39 31,576	+ 8 16 28,93
	Apr. 10	0,370	57,46		Apr. 10	31,582	29,69
	Jul. 19	0,356	56,68		Jul. 19	31,579	30,42
	Oct. 27	0,350	55,92		Oct. 27	31,569	31,12
	Dec. 66	0,352	55,19		Dec. 66	31,550	31,78

Tabulae X. Sect. I. *a Aquilae.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	s	s	s	s				h m s	° ′ ″
Jan. 0	−1,282	+ 5,2	− 0,05	−16,0	+1	+1	1750	19 38 34,9518	+ 8 13 39,989
10	−1,212	+ 8,9	− 1,67	−16,2	0	+1	1751	38 37,8815	13 48,724
20	−1,105	+12,3	− 3,28	−15,7	0	+1	1752	38 40,8111	13 57,463
30	−0,966	+15,5	− 4,81	−14,6	−1	+1	1753	38 43,7408	14 6,205
Febr. 9	−0,796	+18,4	− 6,20	−12,8	−1	+1	1754	38 46,6704	14 14,951
							1755	38 49,6000	14 23,700
19	−0,599	+20,9	− 7,36	−10,3	−2	+1	1756	38 52,5296	14 32,454
Mart. 1	−0,378	+23,2	− 8,25	− 7,3	−2	+1	1757	38 55,4592	14 41,212
11	−0,136	+25,1	− 8,82	− 3,9	−2	+1	1758	38 58,3888	14 49,974
21	+0,124	+26,8	− 9,03	− 0,3	−3	0	1759	39 1,3182	14 58,739
31	+0,399	+28,1	− 8,87	+ 3,5	−3	0	1760	39 4,2477	15 7,508
							1761	39 7,1772	15 16,281
Apr. 10	+0,685	+28,9	− 8,33	+ 7,2	−3	0	1762	39 10,1067	15 25,058
20	+0,977	+29,3	− 7,44	+10,5	−3	0	1763	39 13,0362	15 33,839
30	+1,271	+29,3	− 6,23	+13,5	−3	0	1764	39 15,9657	15 42,623
Maj. 10	+1,562	+28,6	− 4,74	+16,1	−2	0	1765	39 18,8952	15 51,412
20	+1,843	+27,4	− 3,01	+18,1	−2	0	1766	39 21,8246	16 0,204
							1767	39 24,7540	16 9,000
30	+2,109	+25,6	− 1,12	+19,4	−2	+1	1768	39 27,6834	16 17,800
Jun. 9	+2,354	+23,1	+ 0,87	+20,2	−2	+1	1769	39 30,6128	16 26,604
19	+2,571	+20,1	+ 2,91	+20,4	−1	+1	1770	39 33,5422	16 35,412
29	+2,755	+16,5	+ 4,94	+20,0	−1	+1			
Jul. 9	+2,901	+12,6	+ 6,91	+19,2	0	+1			
19	+3,006	+ 8,3	+ 8,77	+17,8	0	+2			
29	+3,066	+ 3,9	+10,47	+16,2	0	+2			
Aug. 8	+3,083	− 0,6	+12,01	+14,3	+1	+2			
18	+3,055	− 4,8	+13,33	+12,2	+1	+2			
28	+2,988	− 8,6	+14,45	+10,0	+2	+3			
Sept. 7	+2,884	−11,9	+15,33	+ 7,6	+2	+3			
17	+2,751	−14,5	+15,97	+ 5,3	+2	+3			
27	+2,595	−16,2	+16,38	+ 2,9	+2	+3			
Oct. 7	+2,427	−17,0	+16,54	+ 0,4	+3	+4			
17	+2,255	−16,9	+16,46	− 2,0	+3	+4			
27	+2,089	−15,9	+16,15	− 4,4	+3	+4			
Nov. 6	+1,938	−14,1	+15,59	− 6,7	+3	+4			
16	+1,808	−11,5	+14,81	− 9,0	+2	+4			
26	+1,708	− 8,3	+13,80	−11,1	+2	+4			
Dec. 6	+1,642	− 4,8	+12,60	−12,9	+2	+5			
16	+1,613	− 1,0	+11,22	−14,5	+1	+5			
26	+1,622	+ 2,8	+ 9,71	−15,6	+1	+5			
36	+1,669	+ 6,6	+ 8,11	−16,2	0	+5			

Diei reducto addendum est:

ante } Jan. 12 { 0
post } { + 1

In mensa. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *β Aquilae.*

1750	Jan. 0	19 43 2,685	+ 5 48 7,03	1760	Jan. 1	19 43 30,251	+ 5 49 24.77
	Apr. 10	2,702	7,81		Apr. 10	30,260	24.06
	Jul. 19	2,710	8,56		Jul. 19	30,277	23.39
	Oct. 27	2,710	9,30		Oct. 27	30,302	22.77
	Dec. 66	2,701	10,01		Dec. 66	30,335	22,19
1751	Jan. 0	19 43 5,656	+ 5 48 18,01	1761	Jan. 0	19 43 33,274	+ 5 49 30.65
	Apr. 10	5,642	18,70		Apr. 10	33,312	30.10
	Jul. 19	5,620	19,34		Jul. 19	33,356	29,61
	Oct. 27	5,590	19,94		Oct. 27	33,409	29.18
	Dec. 66	5,551	20,50		Dec. 66	33,468	28.81
1752	Jan. 1	19 43 8,516	+ 5 48 28,55	1762	Jan. 0	19 43 36,397	+ 5 49 37.20
	Apr. 10	8,472	29,07		Apr. 10	36,459	36,87
	Jul. 19	8,421	29,53		Jul. 19	36,526	36.61
	Oct. 27	8,364	29,92		Oct. 27	36,598	36.42
	Dec. 66	8,299	30,25		Dec. 66	36,675	36.29
1753	Jan. 0	19 43 11,272	+ 5 48 38,39	1763	Jan. 0	19 43 39,600	+ 5 49 44.60
	Apr. 10	11,203	38,67		Apr. 10	39,679	44.52
	Jul. 19	11,129	38,88		Jul. 19	39,761	44,51
	Oct. 27	11,050	39,02		Oct. 27	39,846	44,57
	Dec. 66	10,967	39,08		Dec. 66	39,933	44,70
1754	Jan. 0	19 43 13,946	+ 5 48 47,31	1764	Jan. 1	19 43 42,854	+ 5 49 52.93
	Apr. 10	13,860	47,32		Apr. 10	42,943	53.10
	Jul. 19	13,772	47,26		Jul. 19	43,031	53.34
	Oct. 27	13,681	47,12		Oct. 27	43,119	53,65
	Dec. 66	13,588	46,91		Dec. 66	43,207	54.02
1755	Jan. 0	19 43 16,570	+ 5 48 55,23	1765	Jan. 0	19 43 46,129	+ 5 50 2.17
	Apr. 10	16,477	54,97		Apr. 10	46,216	2.53
	Jul. 19	16,385	54,64		Jul. 19	46,301	3.05
	Oct. 27	16,293	54,24		Oct. 27	46,384	3.57
	Dec. 66	16,202	53,78		Dec. 66	46,464	4,15
1756	Jan. 1	19 43 19,184	+ 5 49 2,19	1766	Jan. 0	19 43 49,389	+ 5 50 12.24
	Apr. 10	19,095	1,69		Apr. 10	49,466	12.85
	Jul. 19	19,009	1,13		Jul. 19	49,539	13.42
	Oct. 27	18,928	0,52		Oct. 27	49,607	14.18
	Dec. 66	18,850	48 59,86		Dec. 66	49,671	14.90
1757	Jan. 0	19 43 21,827	+ 5 49 8,34	1767	Jan. 0	19 43 52,601	+ 5 50 22.94
	Apr. 10	21,753	7,65		Apr. 10	52,661	23.68
	Jul. 19	21,685	6,94		Jul. 19	52,714	24.43
	Oct. 27	21,623	6,19		Oct. 27	52,760	25.20
	Dec. 66	21,567	5,42		Dec. 66	52,799	25.99
1758	Jan. 0	19 43 24,536	+ 5 49 13,94	1768	Jan. 1	19 43 55,738	+ 5 50 34.02
	Apr. 10	24,485	13,15		Apr. 10	55,772	35.81
	Jul. 19	24,442	12,36		Jul. 19	55,799	35,60
	Oct. 27	24,407	11,57		Oct. 27	55,817	36.37
	Dec. 66	24,380	10,77		Dec. 66	55,828	37,14
1759	Jan. 0	19 43 27,339	+ 5 49 19,30	1769	Jan. 0	99 43 58,776	+ 5 50 45.18
	Apr. 10	27,317	18,51		Apr. 10	58,781	45.94
	Jul. 19	27,304	17,74		Jul. 19	58,778	46,66
	Oct. 27	27,299	16,99		Oct. 27	58,766	47.35
	Dec. 66	27,302	16,26		Dec. 66	58,746	48.01

Tabulae X. Sect. I. *β Aquilae.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″				h ′ ″	° ′ ″
Jan. 0	−1,268	+ 4,9	− 0,25	−14,8	+1	+1	1750	19 43 1,7240	+ 5 48 5,704
10	−1,200	+ 8,6	− 1,75	−15,0	0	+1	1751	43 4,6752	48 13,936
20	−1,097	+12,0	− 3,24	−14,5	0	+1	1752	43 7,6264	48 22,172
30	−0,961	+15,1	− 4,65	−13,4	−1	+1	1753	43 10,5776	48 30,411
Febr. 9	−0,795	+18,0	− 5,92	−11,7	−1	+1	1754	43 13,5288	48 38,654
							1755	43 16,4800	48 46,900
19	−0,602	+20,5	− 6,98	− 9,4	−2	+1	1756	43 19,4312	48 55,150
Mart. 1	−0,385	+22,8	− 7,79	− 6,6	−2	+1	1757	43 22,3824	49 3,404
11	−0,146	+24,8	− 8,29	− 3,3	−2	+1	1758	43 25,3335	49 11,662
21	+0,111	+26,5	− 8,45	+ 0,2	−3	0	1759	43 28,2846	49 19,923
31	+0,383	+27,8	− 8,26	+ 3,7	−3	0	1760	43 31,2357	49 28,188
							1761	43 34,1868	49 36,457
Apr. 10	+0,666	+28,7	− 7,72	+ 7,1	−3	0	1762	43 37,1379	49 44,729
20	+0,957	+29,3	− 6,85	+10,3	−3	0	1763	43 40,0890	49 53,005
30	+1,251	+29,3	− 5,67	+13,1	−3	0	1764	43 43,0400	50 1,285
Maj. 10	+1,542	+28,7	− 4,24	+15,4	−2	0	1765	43 45,9910	50 9,568
20	+1,825	+27,6	− 2,59	+17,3	−2	0	1766	43 48,9420	50 17,855
							1767	43 51,8930	50 26,146
30	+2,093	+25,8	− 0,79	+18,5	−2	+1	1768	43 54,8439	50 34,441
Jun. 9	+2,341	+23,5	+ 1,10	+19,1	−2	+1	1769	43 57,7948	50 42,739
19	+2,562	+20,5	+ 3,02	+19,2	−1	+1	1770	44 0,7459	50 51,041
29	+2,750	+17,0	+ 4,93	+18,7	−1	+1			
Jul. 9	+2,901	+13,1	+ 6,76	+17,8	−1	+1			
19	+3,011	+ 8,8	+ 8,48	+16,5	0	+2			
29	+3,077	+ 4,4	+10,06	+14,9	0	+2			
Aug. 8	+3,098	− 0,2	+11,45	+13,0	+1	+2			
18	+3,076	− 4,4	+12,66	+11,0	+1	+2			
28	+3,013	− 8,2	+13,65	+ 8,8	+1	+3			
Sept. 7	+2,913	−11,5	+14,42	+ 6,7	+2	+3			
17	+2,784	−14,1	+14,98	+ 4,5	+2	+3			
27	+2,632	−15,9	+15,31	+ 2,2	+2	+3			
Oct. 7	+2,466	−16,8	+15,42	0,0	+2	+3			
17	+2,297	−16,7	+15,31	− 2,2	+3	+4			
27	+2,132	−15,8	+14,98	− 4,4	+3	+4			
Nov. 6	+1,981	−14,1	+14,44	− 6,5	+3	+4			
16	+1,851	−11,5	+13,69	− 8,5	+2	+4			
26	+1,751	− 8,4	+12,74	−10,4	+2	+4			
Dec. 6	+1,683	− 5,0	+11,62	−12,0	+2	+4			
16	+1,652	− 1,2	+10,34	−13,4	+1	+4			
26	+1,659	+ 2,6	+ 8,94	−14,4	+1	+4			
36	+1,704	+ 6,3	+ 7,46	−15,0	0	+4			

Diei reducto addendum est:

ante / post } Jan. 13 { 0 / + 1

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. 1 *a Capricorni.*

		h ′ ″	° ′ ″			h ′ ″	° ′ ″
1750	Jan. 0	20 3 47,392	—13 15 34,31	1760	Jan. 1	20 4 18,564	—13 13 57,02
	Apr. 10	47,402	33,56		Apr. 10	18,584	57,65
	Jul. 19	47,402	32,83		Jul. 19	18,612	58,30
	Oct. 27	47,393	32,13		Oct. 27	18,649	58,87
	Dec. 66	47,374	31,46		Dec. 66	18,695	59,40
1751	Jan. 0	20 3 50,720	—13 15 21,38	1761	Jan. 0	20 4 22,017	—13 13 48,89
	Apr. 10	50,695	20,74		Apr. 10	22,068	49,35
	Jul. 19	50,661	20,14		Jul. 19	22,127	49,82
	Oct. 27	50,617	19,59		Oct. 27	22,192	50,19
	Dec. 66	50,565	19,09		Dec. 66	22,265	50,50
1752	Jan. 1	20 3 53,923	—13 15 8,95	1762	Jan. 0	20 4 25,579	—13 13 40,01
	Apr. 10	53,865	8,49		Apr. 10	25,656	40,35
	Jul. 19	53,800	8,10		Jul. 19	25,737	40,53
	Oct. 27	53,727	7,76		Oct. 27	25,824	40,67
	Dec. 66	53,647	7,49		Dec. 66	25,916	40,74
1753	Jan. 0	20 3 57,013	—13 14 57,27	1763	Jan. 0	20 4 29,223	—13 13 30,38
	Apr. 10	56,929	57,04		Apr. 10	29,317	30,35
	Jul. 19	56,840	56,89		Jul. 19	29,413	30,34
	Oct. 27	56,746	56,82		Oct. 27	29,511	30,22
	Dec. 66	56,647	56,82		Dec. 66	29,611	30,05
1754	Jan. 0	20 4 0,019	—13 14 46,50	1764	Jan. 1	20 4 32,916	—13 13 19,77
	Apr. 10	3 59,918	46,55		Apr. 10	33,017	19,54
	Jul. 19	59,815	46,67		Jul. 19	33,117	19,25
	Oct. 27	59,711	46,87		Oct. 27	33,216	18,90
	Dec. 66	59,605	47,13		Dec. 66	33,315	18,42
1755	Jan. 0	20 4 2,979	—13 14 36,72	1765	Jan. 0	20 4 36,620	—13 13 8,28
	Apr. 10	2,873	37,04		Apr. 10	36,717	7,88
	Jul. 19	2,769	37,42		Jul. 19	36,811	7,33
	Oct. 27	2,667	37,86		Oct. 27	36,901	6,77
	Dec. 66	2,567	38,36		Dec. 66	36,987	6,17
1756	Jan. 1	20 4 5,939	—13 14 27,87	1766	Jan. 0	20 4 40,296	—13 12 56,0[illegible]
	Apr. 10	5,841	28,41		Apr. 10	40,380	55,3[illegible]
	Jul. 19	5,748	29,00		Jul. 19	40,457	54,7[illegible]
	Oct. 27	5,661	29,63		Oct. 27	40,528	54,0[illegible]
	Dec. 66	5,579	30,31		Dec. 66	40,593	53,3[illegible]
1757	Jan. 0	20 4 8,944	—13 14 19,76	1767	Jan. 0	20 4 43,910	—13 12 43,1[illegible]
	Apr. 10	8,866	20,47		Apr. 10	43,970	42,44
	Jul. 19	8,795	21,19		Jul. 19	44,022	41,6[illegible]
	Oct. 27	8,732	21,94		Oct. 27	44,066	40,[illegible]3
	Dec. 66	8,677	22,71		Dec. 66	44,102	40,15
1758	Jan. 0	20 4 12,033	—13 14 12,13	1768	Jan. 1	20 4 47,429	—13 12 30,0[illegible]
	Apr. 10	11,984	12,91		Apr. 10	47,459	29,[illegible]7
	Jul. 19	11,944	13,69		Jul. 19	47,480	28,51
	Oct. 27	11,913	14,47		Oct. 27	47,492	27,7[illegible]
	Dec. 66	11,891	15,24		Dec. 66	47,494	27,0[illegible]
1759	Jan. 0	20 4 15,236	—13 14 4,66	1769	Jan. 0	20 4 50,892	—13 12 16,90
	Apr. 10	15,220	5,42		Apr. 10	50,898	16,1[illegible]
	Jul. 19	15,214	6,16		Jul. 19	50,815	15,50
	Oct. 27	15,218	6,88		Oct. 27	50,792	14,8[illegible]
	Dec. 66	15,231	7,58		Dec. 66	50,760	14,24

Tabulae X. Sect. I. 1*a* *Capricorni.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″				h ′ ″	° ′ ″
Jan. 0	−1,258	+ 4,4	− 2,53	− 3,5	+1	−1	1750	20 3 46,2851	−13 15 36,221
10	−1,196	+ 8,0	− 2,86	− 3,1	+1	−1	1751	3 49,6242	15 25,925
20	−1,099	+11,4	− 3,15	− 2,5	0	−1	1752	3 52,9632	15 15,625
30	−0,969	+14,6	− 3,36	− 1,6	0	−1	1753	3 56,3022	15 5,321
Febr. 9	−0,808	+17,5	− 3,47	− 0,5	−1	−1	1754	3 59,6412	14 55,018
							1755	4 2,9800	14 44,700
19	−0,620	+20,1	− 3,46	+ 0,9	−1	−1	1756	4 6,3187	14 34,385
Mart. 1	−0,406	+22,6	− 3,29	+ 2,6	−2	−1	1757	4 9,6573	14 24,065
11	−0,169	+24,7	− 2,95	+ 4,3	−2	−1	1758	4 12,9959	14 13,740
21	+0,088	+26,6	− 2,43	+ 6,1	−3	0	1759	4 16,3344	14 3,411
31	+0,363	+28,3	− 1,73	+ 7,9	−3	0	1760	4 19,6727	13 53,078
							1761	4 23,0110	13 42,741
Apr. 10	+0,653	+29,5	− 0,86	+ 9,5	−3	0	1762	4 26,3492	13 32,400
20	+0,953	+30,4	+ 0,17	+10,9	−3	0	1763	4 29,6874	13 22,055
30	+1,261	+30,9	+ 1,31	+11,9	−3	+1	1764	4 33,0255	13 11,706
Maj. 10	+1,570	+30,7	+ 2,54	+12,6	−3	+1	1765	4 36,3635	13 1,353
20	+1,874	+29,9	+ 3,82	+12,8	−3	+1	1766	4 39,7014	12 50,996
							1767	4 43,0392	12 40,634
30	+2,168	+28,5	+ 5,09	+12,6	−3	+2	1768	4 46,3770	12 30,268
Jun. 9	+2,444	+26,5	+ 6,33	+12,0	−3	+2	1769	4 49,7147	12 19,898
19	+2,697	+23,7	+ 7,48	+11,0	−2	+2	1770	4 53,0523	12 9,524
29	+2,918	+20,3	+ 8,52	+ 9,7	−2	+3			
Jul. 9	+3,103	+16,5	+ 9,42	+ 8,3	−1	+3			
19	+3,247	+12,2	+10,17	+ 6,6	−1	+3			
29	+3,346	+ 7,6	+10,74	+ 4,9	−1	+4			
Aug. 8	+3,398	+ 3,0	+11,15	+ 3,3	0	+4			
18	+3,405	− 1,6	+11,40	+ 1,8	0	+4			
28	+3,367	− 5,8	+11,51	+ 0,5	+1	+4			
Sept. 7	+3,289	− 9,6	+11,49	− 0,8	+1	+4			
17	+3,176	−12,6	+11,36	− 1,7	+2	+4			
27	+3,038	−14,8	+11,15	− 2,4	+2	+4			
Oct. 7	+2,881	−16,1	+10,88	− 2,9	+2	+4			
17	+2,717	−16,3	+10,57	− 3,3	+3	+4			
27	+2,555	−15,7	+10,23	− 3,5	+3	+4			
Nov. 6	+2,404	−14,2	+ 9,88	− 3,6	+3	+4			
16	+2,272	−11,8	+ 9,51	− 3,7	+2	+4			
26	+2,168	− 8,8	+ 9,14	− 3,7	+2	+4			
Dec. 6	+2,096	− 5,5	+ 8,77	− 3,8	+2	+4			
16	+2,059	− 1,8	+ 8,39	− 3,8	+1	+4			
26	+2,060	+ 2,0	+ 8,02	− 3,6	+1	+4			
36	+2,099	+ 5,7	+ 7,67	− 3,4	0	+3			

Diei reducto addendum est:

ante } Jan. 18 { 0
post } { + 1

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. 2a *Capricorni.*

1750	Jan. 0	20 4 10,883	—13 17 54,13	1760	Jan. 1	20 4 42,100	—13 16 16,58
	Apr. 10	10,893	53,38		Apr. 10	42,120	17,24
	Jul. 19	10,893	52,66		Jul. 19	42,148	17,86
	Oct. 27	10,884	51,96		Oct. 27	42,185	18,43
	Dec. 66	10,865	51,29		Dec. 66	42,231	18,96
1751	Jan. 0	20 4 14,216	—13 17 41,19	1761	Jan. 0	20 4 45,558	—13 16 8,43
	Apr. 10	14,190	40,54		Apr. 10	45,609	8,92
	Jul. 19	14,156	39,94		Jul. 19	45,668	9,35
	Oct. 27	14,113	39,39		Oct. 27	45,733	9,72
	Dec. 66	14,061	38,89		Dec. 66	45,806	10,03
1752	Jan. 1	20 4 17,423	—13 17 28,73	1762	Jan. 0	20 4 49,124	—13 15 59,57
	Apr. 10	17,365	28,27		Apr. 10	49,201	59,84
	Jul. 19	17,299	27,87		Jul. 19	49,283	16 0,04
	Oct. 27	17,226	27,54		Oct. 27	49,370	0,17
	Dec. 66	17,146	27,27		Dec. 66	49,461	0,24
1753	Jan. 0	20 4 20,517	—13 17 17,02	1763	Jan. 0	20 4 52,773	—13 15 49,85
	Apr. 10	20,433	16,80		Apr. 10	52,867	49,87
	Jul. 19	20,344	16,65		Jul. 19	52,963	49,82
	Oct. 27	20,250	16,58		Oct. 27	53,061	49,70
	Dec. 66	20,151	16,58		Dec. 66	53,162	49,52
1754	Jan. 0	20 4 23,528	—13 17 6,23	1764	Jan. 1	20 4 56,470	—13 15 39,21
	Apr. 10	23,426	6,28		Apr. 10	56,571	38,98
	Jul. 19	23,323	6,40		Jul. 19	56,671	38,69
	Oct. 27	23,219	6,60		Oct. 27	56,770	38,34
	Dec. 66	23,113	6,87		Dec. 66	56,869	37,93
1755	Jan. 0	20 4 26,492	—13 16 56,43	1765	Jan. 0	20 5 0,179	—13 15 27,69
	Apr. 10	26,386	56,75		Apr. 10	0,276	27,23
	Jul. 19	26,282	57,13		Jul. 19	0,370	26,73
	Oct. 27	26,180	57,57		Oct. 27	0,460	26,18
	Dec. 66	26,080	58,07		Dec. 66	0,546	25,58
1756	Jan. 1	20 4 29,456	—13 16 47,55	1766	Jan. 0	20 5 3,860	—13 15 15,40
	Apr. 10	29,358	48,09		Apr. 10	3,944	14,77
	Jul. 19	29,266	48,68		Jul. 19	4,021	14,11
	Oct. 27	29,178	49,32		Oct. 27	4,092	13,41
	Dec. 66	29,096	50,00		Dec. 66	4,157	12,68
1757	Jan. 0	20 4 32,466	—13 16 39,42	1767	Jan. 0	20 5 7,478	—13 15 2,54
	Apr. 10	32,388	40,12		Apr. 10	7,538	1,80
	Jul. 19	32,317	40,85		Jul. 19	7,591	1,04
	Oct. 27	32,253	41,60		Oct. 27	7,635	0,28
	Dec. 66	32,197	42,37		Dec. 66	7,671	14 59,51
1758	Jan. 0	20 4 35,560	—13 16 31,76	1768	Jan. 1	20 5 11,002	—13 14 49,37
	Apr. 10	35,511	32,54		Apr. 10	11,032	48,60
	Jul. 19	35,471	33,32		Jul. 19	11,053	47,84
	Oct. 27	35,441	34,10		Oct. 27	11,065	47,09
	Dec. 66	35,418	34,87		Dec. 66	11,067	46,36
1759	Jan. 0	20 4 38,767	—13 16 24,25	1769	Jan. 0	20 5 14,410	—13 14 36,20
	Apr. 10	38,752	25,02		Apr. 10	14,406	35,48
	Jul. 19	38,746	25,76		Jul. 19	14,392	34,80
	Oct. 27	38,750	26,48		Oct. 27	14,369	34,15
	Dec. 66	38,763	27,17		Dec. 66	14,337	33,54

Tabulae X. Sect. I. 2α *Capricorni.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″				h ′ ″	° ′ ″
Jan. 0	—1,257	+ 4,3	— 2,54	— 3,4	+1	—1	1750	20 4 9,7756	—13 17 56,058
10	—1,196	+ 7,9	— 2,87	— 3,2	+1	—1	1751	4 13,1198	17 45,735
20	—1,099	+11,4	— 3,15	— 2,5	0	—1	1752	4 16,4629	17 35,407
30	—0,969	+14,6	— 3,36	— 1,6	0	—1	1753	4 19,8064	17 25,075
Febr. 9	—0,808	+17,5	— 3,47	— 0,5	—1	—1	1754	4 23,1498	17 14,739
							1755	4 26,4933	17 4,400
19	—0,620	+20,1	— 3,45	+ 1,0	—1	—1	1756	4 29,8365	16 54,055
Mart. 1	—0,407	+22,5	— 3,28	+ 2,6	—2	—1	1757	4 33,1797	16 43,707
11	—0,170	+24,7	— 2,94	+ 4,4	—2	—1	1758	4 36,5228	16 33,355
21	+0,087	+26,6	— 2,41	+ 6,2	—3	0	1759	4 39,8658	16 22,999
31	+0,362	+28,3	— 1,71	+ 7,9	—3	0	1760	4 43,2088	16 12,638
							1761	4 46,5517	16 2,274
Apr. 10	+0,652	+29,5	— 0,83	+ 9,5	—3	0	1762	4 49,8945	15 51,905
20	+0,952	+30,4	+ 0,19	+10,9	—3	0	1763	4 53,2372	15 41,532
30	+1,260	+30,9	+ 1,34	+11,9	—3	0	1764	4 56,5798	15 31,155
Maj. 10	+1,569	+30,7	+ 2,57	+12,5	—3	+1	1765	4 59,9224	15 20,774
20	+1,874	+30,0	+ 3,84	+12,8	—3	+1	1766	5 3,2649	15 10,389
							1767	5 6,6073	15 0,000
30	+2,168	+28,6	+ 5,12	+12,6	—3	+2	1768	5 9,9496	14 49,607
Jun. 9	+2,445	+26,5	+ 6,35	+12,0	—3	+2	1769	5 13,2918	14 39,210
19	+2,698	+23,7	+ 7,51	+11,0	—2	+2	1770	5 16,6339	14 28,808
29	+2,919	+20,4	+ 8,55	+ 9,7	—2	+3			
Jul. 9	+3,105	+16,5	+ 9,45	+ 8,2	—2	+3			
19	+3,249	+12,2	+10,19	+ 6,6	—1	+3			
29	+3,349	+ 7,7	+10,77	+ 5,0	—1	+4			
Aug. 8	+3,402	+ 3,0	+11,18	+ 3,3	0	+4			
18	+3,408	— 1,6	+11,43	+ 1,8	0	+4			
28	+3,371	— 5,8	+11,53	+ 0,4	+1	+4			
Sept. 7	+3,293	— 9,5	+11,50	— 0,8	+1	+4			
17	+3,181	—12,5	+11,37	— 1,7	+2	+4			
27	+3,043	—14,7	+11,16	— 2,4	+2	+4			
Oct. 7	+2,887	—16,0	+10,89	— 2,9	+2	+4			
17	+2,723	—16,3	+10,58	— 3,3	+2	+4			
27	+2,561	—15,7	+10,24	— 3,5	+3	+4			
Nov. 6	+2,409	—14,2	+ 9,88	— 3,6	+3	+4			
16	+2,278	—11,8	+ 9,52	— 3,7	+2	+4			
26	+2,174	— 8,9	+ 9,15	— 3,7	+2	+4			
Dec. 6	+2,101	— 5,5	+ 8,78	— 3,8	+2	+4			
16	+2,065	— 1,8	+ 8,40	— 3,7	+1	+4			
26	+2,066	+ 2,0	+ 8,04	— 3,6	+1	+3			
36	+2,104	+ 5,7	+ 7,69	— 3,3	0	+3			

Diei reducto addendum est:

ante / post Jan. 18 { 0 / + 1 }

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *α Cygni.*

		h ′ ″	° ′ ″			h ′ ″	° ′ ″
1750	Jan. 0	20 32 55,668	+44 23 57,38	1760	Jan. 1	20 33 14,756	+44 25 54,22
	Apr. 10	55,711	58,08		Apr. 10	14,790	53,63
	Jul. 19	55,748	58,75		Jul. 19	14,711	53,08
	Oct. 27	55,779	59,39		Oct. 27	14,698	52,53
	Dec. 66	55,805	59,99		Dec. 66	14,692	52,13
1751	Jan. 0	20 32 57,836	+44 24 12,20	1761	Jan. 0	20 33 16,733	+44 26 4,70
	Apr. 10	57,858	12,78		Apr. 10	16,731	4,29
	Jul. 19	57,873	13,30		Jul. 19	16,735	3,94
	Oct. 27	57,882	13,77		Oct. 27	16,746	3,65
	Dec. 66	57,884	14,18		Dec. 66	16,763	3,42
1752	Jan. 1	20 32 59,924	+44 24 26,46	1762	Jan. 0	20 33 18,796	+44 26 15,92
	Apr. 10	59,921	26,84		Apr. 10	18,817	15,74
	Jul. 19	59,912	27,15		Jul. 19	18,843	15,62
	Oct. 27	59,896	27,39		Oct. 27	18,876	15,57
	Dec. 66	59,873	27,57		Dec. 66	18,914	15,59
1753	Jan. 0	20 33 1,921	+44 24 39,93	1763	Jan. 0	20 33 20,940	+44 26 28,01
	Apr. 10	1,894	40,06		Apr. 10	20,981	28,07
	Jul. 19	1,861	40,12		Jul. 19	21,027	28,19
	Oct. 27	1,822	40,11		Oct. 27	21,078	28,33
	Dec. 66	1,778	40,03		Dec. 66	21,133	28,64
1754	Jan. 0	20 33 3,833	+44 24 52,47	1764	Jan. 1	20 33 23,154	+44 26 40,98
	Apr. 10	3,785	52,34		Apr. 10	23,211	41,23
	Jul. 19	3,732	52,14		Jul. 19	23,271	41,63
	Oct. 27	3,674	51,87		Oct. 27	23,334	42,04
	Dec. 66	3,612	51,53		Dec. 66	23,400	42,51
1755	Jan. 0	20 33 5,673	+44 25 4,07	1765	Jan. 0	20 33 25,418	+44 26 54,78
	Apr. 10	5,609	3,69		Apr. 10	25,485	55,28
	Jul. 19	5,542	3,25		Jul. 19	25,553	55,82
	Oct. 27	5,473	2,75		Oct. 27	25,623	56,41
	Dec. 66	5,402	2,20		Dec. 66	25,693	57,04
1756	Jan. 1	20 33 7,465	+44 25 14,81	1766	Jan. 0	20 33 27,709	+44 27 9,[illegible]
	Apr. 10	7,393	14,23		Apr. 10	27,779	9,92
	Jul. 19	7,321	13,60		Jul. 19	27,848	10,60
	Oct. 27	7,249	12,94		Oct. 27	27,916	11,30
	Dec. 66	7,176	12,24		Dec. 66	27,983	12,03
1757	Jan. 0	20 33 9,240	+44 25 24,90	1767	Jan. 0	20 33 30,001	+44 27 24,23
	Apr. 10	9,168	24,18		Apr. 10	30,067	24,96
	Jul. 19	9,099	23,45		Jul. 19	30,129	25,70
	Oct. 27	9,032	22,70		Oct. 27	30,189	26,46
	Dec. 66	8,967	21,94		Dec. 66	30,245	27,22
1758	Jan. 0	20 33 11,028	+44 25 34,62	1768	Jan. 1	20 33 32,266	+44 27 39,39
	Apr. 10	10,965	33,86		Apr. 10	32,320	40,13
	Jul. 19	10,907	33,10		Jul. 19	32,369	40,85
	Oct. 27	10,853	32,36		Oct. 27	32,413	41,55
	Dec. 66	10,804	31,62		Dec. 66	32,452	42,24
1759	Jan. 0	20 33 12,859	+44 25 44,29	1769	Jan. 0	20 33 34,479	+44 27 54,46
	Apr. 10	12,815	43,57		Apr. 10	34,515	55,12
	Jul. 19	12,772	42,88		Jul. 19	34,544	55,74
	Oct. 27	12,737	42,22		Oct. 27	34,567	56,32
	Dec. 66	12,707	41,59		Dec. 66	34,584	56,85

Tabulae X. Sect. I. *α Cygni.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	″		″					h ′ ″	° ′ ″
Jan. 0	−1,607	− 7,1	+ 6,39	−26,6	0	+2	1750	20 32 55,0658	+44 23 54,654
10	−1,655	− 2,3	+ 3,61	−28,6	0	+3	1751	32 57,1052	24 7,059
20	−1,653	+ 2,7	+ 0,68	−29,5	−1	+3	1752	32 59,1446	24 19,466
30	−1,602	+ 7,7	− 2,29	−29,3	−1	+3	1753	33 1,1841	24 31,875
Febr. 9	−1,500	+12,6	− 5,18	−28,0	−2	+3	1754	33 3,2236	24 44,286
							1755	33 5,2630	24 56,700
19	−1,350	+17,3	− 7,89	−25,5	−2	+2	1756	33 7,3025	25 9,116
Mart. 1	−1,154	+21,7	−10,28	−22,0	−2	+2	1757	33 9,3421	25 21,534
11	−0,916	+24,8	−12,29	−17,6	−3	+2	1758	33 11,3817	25 33,955
21	−0,638	+29,4	−13,80	−12,5	−3	+1	1759	33 13,4213	25 46,378
31	−0,328	+32,4	−14,78	− 7,0	−3	+1	1760	33 15,4609	25 58,803
							1761	33 17,5006	26 11,231
Apr. 10	+0,009	+34,7	−15,19	− 1,1	−3	+1	1762	33 19,5403	26 23,661
20	+0,365	+36,1	−15,00	+ 4,8	−3	0	1763	33 21,5800	26 36,093
30	+0,731	+36,7	−14,24	+10,4	−2	0	1764	33 23,6197	26 48,527
Maj 10	+1,099	+36,4	−12,92	+15,7	−2	0	1765	33 25,6594	27 0,963
20	+1,459	+35,2	−11,10	+20,5	−2	−1	1766	33 27,6992	27 13,402
							1767	33 29,7390	27 25,843
30	+1,802	+33,1	− 8,83	+24,5	−1	−1	1768	33 31,7788	27 38,286
Jun. 9	+2,120	+30,0	− 6,20	+27,8	−1	−1	1769	33 33,8186	27 50,732
19	+2,402	+26,2	− 3,27	+30,4	−1	−1	1770	33 35,8585	28 3,180
29	+2,643	+21,8	− 0,13	+32,1	0	−1			
Jul. 9	+2,837	+26,7	+ 3,14	+32,9	0	−1			
19	+2,977	+11,2	+ 6,45	+33,0	+1	−1			
29	+3,061	+ 5,6	+ 9,74	+32,4	+1	−1			
Aug. 8	+3,088	− 0,1	+12,92	+31,0	+1	−1			
18	+3,059	− 5,6	+15,93	+29,0	+2	0			
28	+2,976	−10,7	+18,71	+26,4	+2	0			
Sept. 7	+2,843	−15,4	+21,21	+23,3	+2	0			
17	+2,667	−19,4	+23,37	+19,7	+3	+1			
27	+2,455	−22,5	+25,15	+15,8	+3	+1			
Oct. 7	+2,217	−24,7	+26,52	+11,4	+3	+1			
17	+1,961	−25,9	+27,43	+ 6,8	+3	+2			
27	+1,699	−26,1	+27,87	+ 2,0	+3	+2			
Nov. 6	+1,439	−25,4	+27,82	− 3,0	+3	+3			
16	+1,191	−23,7	+27,27	− 8,0	+3	+3			
26	+0,965	−21,2	+26,23	−12,8	+2	+4			
Dec. 6	+0,768	−18,0	+24,71	−17,4	+2	+4			
16	+0,605	−14,2	+22,76	−21,4	+2	+4			
26	+0,484	− 9,9	+20,43	−24,8	+1	+5			
36	+0,408	− 5,3	+17,80	−27,5	+1	+5			

Diei reducto addendum est:

ante / post } Jan. 25 { 0 / + 1

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *α Aquarii.*

1750	Jan. 0	21 52 57,193	— 1 31 18,94	1760	Jan. 1	21 53 26,018	— 1 28 39,10
	Apr. 10	57,207	18,42		Apr. 10	26,031	39,47
	Jul. 19	57,212	17,96		Jul. 19	26,052	39,78
	Oct. 27	57,208	17,54		Oct. 27	26,082	40,03
	Dec. 66	57,195	17,16		Dec. 66	26,120	40,23
1751	Jan. 0	21 53 0,288	— 1 31 0,24	1761	Jan. 0	21 53 29,193	— 1 28 23,11
	Apr. 10	0,269	30 59,91		Apr. 10	29,236	23,27
	Jul. 19	0,242	59,63		Jul. 19	29,286	23,36
	Oct. 27	0,207	59,41		Oct. 27	29,343	23,40
	Dec. 66	0,163	59,25		Dec. 66	29,406	23,37
1752	Jan. 1	21 53 3,266	— 1 30 42,26	1762	Jan. 0	21 53 32,471	— 1 28 6,32
	Apr. 10	3,217	42,14		Apr. 10	32,539	6,26
	Jul. 19	3,160	42,09		Jul. 19	32,611	6,13
	Oct. 27	3,097	42,10		Oct. 27	32,689	5,95
	Dec. 66	3,026	42,18		Dec. 66	32,771	5,70
1753	Jan. 0	21 53 6,137	— 1 30 25,10	1763	Jan. 0	21 53 35,829	— 1 27 48,73
	Apr. 10	6,062	25,22		Apr. 10	35,914	48,45
	Jul. 19	5,982	25,40		Jul. 19	36,001	48,12
	Oct. 27	5,898	25,65		Oct. 27	36,091	47,74
	Dec. 66	5,809	25,96		Dec. 66	36,183	47,31
1754	Jan. 0	21 53 8,926	— 1 30 8,80	1764	Jan. 1	21 53 39,238	— 1 27 30,39
	Apr. 10	8,834	9,15		Apr. 10	39,331	29,93
	Jul. 19	8,740	9,55		Jul. 19	39,423	29,43
	Oct. 27	8,644	10,00		Oct. 27	39,515	28,90
	Dec. 66	8,547	10,50		Dec. 66	39,607	28,32
1755	Jan. 0	21 53 11,667	— 1 29 53,28	1765	Jan. 0	21 53 42,663	— 1 27 11,45
	Apr. 10	11,569	53,81		Apr. 10	42,754	10,86
	Jul. 19	11,472	54,38		Jul. 19	42,842	10,24
	Oct. 27	11,377	54,98		Oct. 27	42,927	9,61
	Dec. 66	11,283	55,61		Dec. 66	43,009	8,95
1756	Jan. 1	21 53 14,401	— 1 29 38,35	1766	Jan. 0	21 53 46,068	— 1 26 52,10
	Apr. 10	14,309	39,00		Apr. 10	46,148	51,44
	Jul. 19	14,221	39,67		Jul. 19	46,222	50,77
	Oct. 27	14,138	40,35		Oct. 27	46,291	50,10
	Dec. 66	14,058	41,04		Dec. 66	46,355	49,43
1757	Jan. 0	21 53 17,171	— 1 29 23,76	1767	Jan. 0	21 53 49,421	— 1 26 32,58
	Apr. 10	17,096	24,45		Apr. 10	49,481	31,92
	Jul. 19	17,027	25,14		Jul. 19	49,533	31,28
	Oct. 27	16,965	25,81		Oct. 27	49,578	30,65
	Dec. 66	16,910	26,48		Dec. 66	49,616	30,04
1758	Jan. 0	21 53 20,014	— 1 29 9,21	1768	Jan. 1	21 53 52,690	— 1 26 13,16
	Apr. 10	19,964	9,86		Apr. 10	52,723	12,57
	Jul. 19	19,923	10,49		Jul. 19	52,747	12,02
	Oct. 27	19,889	11,08		Oct. 27	52,763	11,51
	Dec. 66	19,864	11,65		Dec. 66	52,770	11,03
1759	Jan. 0	21 53 22,958	— 1 28 54,41	1769	Jan. 0	21 53 55,854	— 1 25 54,10
	Apr. 10	22,939	54,95		Apr. 10	55,855	53,65
	Jul. 19	22,929	55,44		Jul. 19	55,848	53,26
	Oct. 27	22,928	55,89		Oct. 27	55,832	52,91
	Dec. 66	22,935	56,29		Dec. 66	55,807	52,62

Tabulae X. Sect. I. *α Aquarii.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	s		s					h m s	° ′ ″
Jan. 0	−0,855	− 5,0	− 1,37	− 7,7	+2	+1	1750	21 52 56,1789	− 1 31 23,611
10	−0,893	− 2,5	− 2,13	− 7,5	+2	+1	1751	52 59,2659	31 6,573
20	−0,905	+ 0,2	− 2,87	− 7,0	+2	+1	1752	53 2,3528	30 49,533
30	−0,890	+ 3,0	− 3,53	− 6,1	+1	+1	1753	53 5,4397	30 32,491
Febr. 9	−0,846	+ 5,8	− 4,08	− 4,7	0	+1	1754	53 8,5265	30 15,446
							1755	53 11,6133	29 58,400
19	−0,774	+ 8,8	− 4,47	− 3,0	0	0	1756	53 14,7000	29 41,350
Mart. 1	−0,671	+11,8	− 4,68	− 1,0	−1	0	1757	53 17,7867	29 24,299
11	−0,537	+15,0	− 4,66	+ 1,5	−1	0	1758	53 20,8734	29 7,245
21	−0,372	+18,0	− 4,39	+ 4,1	−2	0	1759	53 23,9600	28 50,189
31	−0,177	+21,0	− 3,85	+ 6,8	−2	0	1760	53 27,0465	28 33,130
							1761	53 30,1330	28 16,070
Apr. 10	+0,048	+23,8	− 3,03	+ 9,5	−2	−1	1762	53 33,2195	27 59,007
20	+0,299	+26,3	− 1,95	+12,0	−3	−1	1763	53 36,3059	27 41,942
30	+0,574	+28,4	− 0,63	+14,3	−3	−1	1764	53 39,3923	27 24,875
Maj. 10	+0,867	+29,9	+ 0,91	+16,3	−3	−1	1765	53 42,4787	27 7,806
20	+1,172	+30,8	+ 2,63	+17,8	−3	−1	1766	53 45,5650	26 50,734
							1767	53 48,6513	26 33,660
30	+1,482	+31,0	+ 4,46	+18,8	−3	−1	1768	53 51,7375	26 16,584
Jun. 9	+1,791	+30,4	+ 6,38	+19,3	−3	−1	1769	53 54,8237	25 59,505
19	+2,090	+29,0	+ 8,31	+19,1	−3	0	1770	53 57,9098	25 42,423
29	+2,371	+26,9	+10,20	+18,6	−2	0			
Jul. 9	+2,628	+24,1	+12,02	+17,6	−2	0			
19	+2,852	+20,6	+13,71	+16,1	−2	0			
29	+3,039	+16,7	+15,23	+14,3	−1	+1			
Aug. 8	+3,185	+12,4	+16,56	+12,3	−1	+1			
18	+3,287	+ 8,0	+17,68	+10,2	−1	+1			
28	+3,345	+ 3,7	+18,59	+ 8,0	0	+2			
Sept. 7	+3,360	− 0,5	+19,27	+ 5,7	0	+2			
17	+3,335	− 4,3	+19,73	+ 3,6	+1	+2			
27	+3,275	− 7,5	+19,99	+ 1,7	+1	+3			
Oct. 7	+3,186	−10,1	+20,07	− 0,1	+2	+3			
17	+3,074	−12,0	+19,97	− 1,7	+2	+3			
27	+2,947	−13,0	+19,73	− 3,1	+2	+3			
Nov. 6	+2,814	−13,3	+19,36	− 4,3	+3	+3			
16	+2,681	−13,0	+18,88	− 5,3	+3	+4			
26	+2,555	−12,0	+18,30	− 6,2	+3	+4			
Dec. 6	+2,441	−10,6	+17,64	− 6,9	+3	+4			
16	+2,344	− 8,7	+16,93	− 7,4	+2	+4			
26	+2,268	− 6,5	+16,17	− 7,7	+2	+4			
36	+2,214	− 4,1	+15,40	− 7,7	+2	+3			

Diei reducto addendum est:

ante } Febr. 14 { 0
post } { + 1

In mensa. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *a Piscis australis.*

1750	Jan. 0	22h 43′ 47″,842	−30° 56′ 17″,95	1760	Jan. 1	22h 44′ 19″,153	−30° 53′ 22″,67
	Apr. 10	47,827	17,59		Apr. 10	19,197	22.86
	Jul. 19	47,803	17,28		Jul. 19	19,249	23,00
	Oct. 27	47,768	17,02		Oct. 27	19,309	23.03
	Dec. 66	47,724	16,82		Dec. 66	19,377	23,11
1751	Jan. 0	22 43 51,097	−30 55 58,15	1761	Jan. 0	22 44 22,708	−30 53 4.36
	Apr. 10	51,048	57,99		Apr. 10	22,785	4.34
	Jul. 19	50,990	57,89		Jul. 19	22,860	4,27
	Oct. 27	50,924	57,85		Oct. 27	22,945	4,14
	Dec. 66	50,850	57,86		Dec. 66	23,035	3,95
1752	Jan. 1	22 43 54,231	−30 55 39,12	1762	Jan. 0	22 44 26,359	−30 52 45.27
	Apr. 10	54,152	39,17		Apr. 10	26,452	45,04
	Jul. 19	54,067	39,29		Jul. 19	26,549	44,77
	Oct. 27	53,975	39,47		Oct. 27	26,649	44,45
	Dec. 66	53,878	39,71		Dec. 66	26,752	44,08
1753	Jan. 0	22 43 57,267	−30 55 20,88	1763	Jan. 0	22 44 30,071	−30 52 25,45
	Apr. 10	57,166	21,16		Apr. 10	30,176	25,05
	Jul. 19	57,063	21,49		Jul. 19	30,280	24,61
	Oct. 27	56,957	21,87		Oct. 27	30,384	24.13
	Dec. 66	56,848	22,30		Dec. 66	30,488	23,62
1754	Jan. 0	22 44 0,241	−30 55 3,41	1764	Jan. 1	22 44 33,807	−30 52 5,04
	Apr. 10	0,131	3,87		Apr. 10	33,910	4,51
	Jul. 19	0,022	4,37		Jul. 19	34,011	3,95
	Oct. 27	43 59,914	4,91		Oct. 27	34,108	3,37
	Dec. 66	59,806	5,49		Dec. 66	34,203	2,76
1755	Jan. 0	22 44 3,197	−30 54 46,55	1765	Jan. 0	22 44 37,525	−30 51 44,21
	Apr. 10	3,091	47,14		Apr. 10	37,617	43,60
	Jul. 19	2,989	47,76		Jul. 19	37,703	42 98
	Oct. 27	2,891	48,39		Oct. 27	37,784	42,35
	Dec. 66	2,798	49.04		Dec. 66	37,859	41,72
1756	Jan. 1	22 44 6,184	−30 54 30,08	1766	Jan. 0	22 44 41,187	−30 51 23,18
	Apr. 10	6,094	30,74		Apr. 10	41,258	22,55
	Jul. 19	6,012	31,39		Jul. 19	41,320	21,93
	Oct. 27	5,937	32,04		Oct. 27	41,375	21.33
	Dec. 66	5,869	32,68		Dec. 66	41,422	20,74
1757	Jan. 0	22 44 9,246	−30 54 13,73	1767	Jan. 0	22 44 44,760	−30 51 2,18
	Apr. 10	9,184	14,37		Apr. 10	44,802	1,61
	Jul. 19	9,131	14,98		Jul. 19	44,834	1,06
	Oct. 27	9,087	15,57		Oct. 27	44,857	0,55
	Dec. 66	9,052	16,13		Dec. 66	44,871	0,07
1758	Jan. 0	22 44 12,417	−30 53 57,20	1768	Jan. 1	22 44 48,220	−30 50 41.47
	Apr. 10	12,389	57,74		Apr. 10	48,227	41,01
	Jul. 19	12,371	58,25		Jul. 19	48,224	40.60
	Oct. 27	12,363	58,71		Oct. 27	48,212	40.24
	Dec. 66	12,365	59,13		Dec. 66	48,190	39,92
1759	Jan. 0	22 44 15,718	−30 53 40,25	1769	Jan. 0	22 44 51,551	−30 50 21,26
	Apr. 10	15,727	40,64		Apr. 10	51,523	20,98
	Jul. 19	15,745	40,98		Jul. 19	51,485	20,75
	Oct. 27	15,774	41,26		Oct. 27	51,438	20.53
	Dec. 66	15,812	41,49		Dec. 66	51,381	20,46

Tabulae X. Sect. I. *α Piscis australis.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″				h m s	° ′ ″
Jan. 0	−0,732	− 9,8	−10,00	+ 3,0	+4	0	1750	22 43 46,6871	−30 56 23,580
10	−0,819	− 7,5	− 9,56	+ 5,8	+4	0	1751	43 50,0435	56 4,847
20	−0,881	− 4,9	− 8,85	+ 8,4	+3	−1	1752	43 53,3996	55 46,113
30	−0,916	− 2,0	− 7,89	+10,9	+3	−1	1753	43 56,7555	55 27,377
Febr. 9	−0,921	+ 1,1	− 6,68	+13,3	+2	−2	1754	44 0,1112	55 8,640
							1755	44 3,4667	54 49,900
19	−0,894	+ 4,4	− 5,24	+15,4	+1	−2	1756	44 6,8220	54 31,161
Mart. 1	−0,834	+ 7,8	− 3,60	+17,3	+1	−2	1757	44 10,1771	54 12,419
11	−0,738	+11,5	− 1,78	+19,0	0	−2	1758	44 13,5319	53 53,675
21	−0,605	+15,2	+ 0,19	+20,4	−1	−3	1759	44 16,8865	53 34,930
31	−0,434	+19,0	+ 2,30	+21,5	−2	−3	1760	44 20,2409	53 16,184
							1761	44 23,5951	52 57,436
Apr. 10	−0,226	+22,6	+ 4,49	+22,2	−2	−3	1762	44 26,9491	52 38,687
20	+0,017	+26,1	+ 6,73	+22,4	−3	−2	1763	44 30,3029	52 19,936
30	+0,295	+29,2	+ 8,97	+22,2	−3	−2	1764	44 33,6565	52 1,184
Maj. 10	+0,601	+31,8	+11,17	+21,6	−4	−2	1765	44 37,0097	51 42,430
20	+0,930	+33,8	+13,28	+20,4	−4	−2	1766	44 40,3628	51 23,675
							1767	44 43,7157	51 4,918
30	+1,276	+35,0	+15,24	+18,7	−4	−1	1768	44 47,0684	50 46,160
Jun. 9	+1,630	+35,4	+17,01	+16,5	−5	−1	1769	44 50,4209	50 27,400
19	+1,983	+34,9	+18,53	+13,8	−5	0	1770	44 53,7731	50 8,639
29	+2,327	+33,5	+19,77	+10,8	−5	0			
Jul. 9	+2,652	+31,2	+20,69	+ 7,6	−5	+1			
19	+2,950	+28,1	+21,28	+ 4,2	−4	+1			
29	+3,213	+24,2	+21,52	+ 0,7	−4	+2			
Aug. 8	+3,434	+19,8	+21,42	− 2,7	−4	+3			
18	+3,609	+15,0	+20,99	− 5,8	−3	+3			
28	+3,734	+10,0	+20,26	− 8,6	−3	+			
Sept. 7	+3,809	+ 5,1	+19,28	−10,[illegible]	−2	+4			
17	+3,835	+ 0,3	+18,10	−12,5	−2	+4			
27	+3,815	− 4,1	+16,78	−13,6	−1	+4			
Oct. 7	+3,754	− 7,8	+15,38	−14,1	0	+4			
17	+3,659	−10,9	+13,97	−13,8	0	+4			
27	+3,537	−13,1	+12,63	−12,9	+1	+4			
Nov. 6	+3,397	−14,5	+11,40	−11,4	+1	+4			
16	+3,247	−15,2	+10,36	− 9,4	+2	+4			
26	+3,094	−15,1	+ 9,53	− 7,1	+2	+3			
Dec. 6	+2,946	−14,5	+ 8,95	− 4,5	+2	+3			
16	+2,809	−12,9	+ 8,64	− 1,7	+2	+2			
26	+2,688	−11,1	+ 8,62	+ 1,2	+2	+2			
36	+2,587	− 9,0	+ 8,88	+ 4,0	+2	+1			

Diei reducto addendum est:

ante } Febr. 27 { 0
post } { + 1

In mensa. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *α Pegasi.*

		h ′ ″	° ′ ″			h ′ ″	° ′ ″
1750	Jan. 0	22 52 20,481	+13 51 59,57	1760	Jan. 1	22 52 48,307	+13 54 59,08
	Apr. 10	20,508	59,90		Apr. 10	48,306	58,92
	Jul. 19	20,527	52 0,18		Jul. 19	48,313	58,81
	Oct. 27	20,538	0,40		Oct. 27	48,328	58,76
	Dec. 66	20,540	0,57		Dec. 66	48,351	58,77
1751	Jan. 0	22 52 23,517	+13 52 19,70	1761	Jan. 0	22 52 51,320	+13 55 17,95
	Apr. 10	23,513	19,83		Apr. 10	51,349	18,00
	Jul. 19	23,501	19,90		Jul. 19	51,385	18,10
	Oct. 27	23,480	19,92		Oct. 27	51,428	18,26
	Dec. 66	23,451	19,87		Dec. 66	51,479	18,47
1752	Jan. 1	22 52 26,439	+13 52 39,07	1762	Jan. 0	22 52 54,439	+13 55 37,59
	Apr. 10	26,404	38,98		Apr. 10	54,493	37,84
	Jul. 19	26,362	38,84		Jul. 19	54,553	38,13
	Oct. 27	26,311	38,64		Oct. 27	54,619	38,48
	Dec. 66	26,253	38,37		Dec. 66	54,690	38,87
1753	Jan. 0	22 52 29,251	+13 52 57,65	1763	Jan. 0	22 52 57,644	+13 55 57,92
	Apr. 10	29,188	57,35		Apr. 10	57,722	58,34
	Jul. 19	29,120	57,00		ul. 19	57,802	58,80
	Oct. 27	29,046	56,60		Oct. 27	57,886	59,29
	Dec. 66	28,966	56,15		Dec. 66	57,972	59,82
1754	Jan. 0	22 52 31,970	+13 53 15,48	1764	Jan. 1	22 53 0,920	+13 56 18,83
	Apr. 10	31,887	15,00		Apr. 10	1,008	19,38
	Jul. 19	31,800	14,49		Jul. 19	1,096	19,94
	Oct. 27	31,711	13,94		Oct. 27	1,186	20,53
	Dec. 66	31,618	13,36		Dec. 66	1,276	21,14
1755	Jan. 0	22 52 34,627	+13 53 32,74	1765	Jan. 0	22 53 4,224	+13 56 40,13
	Apr. 10	34,533	32,13		Apr. 10	4,314	40,74
	Jul. 19	34,438	31,52		Jul. 19	4,403	41,36
	Oct. 27	34,344	30,89		Oct. 27	4,491	41,98
	Dec. 66	34,250	30,25		Dec. 66	4,577	42,61
1756	Jan. 1	22 52 37,259	+13 53 49,66	1766	Jan. 0	22 53 7,526	+13 57 1,59
	Apr. 10	37,166	48,99		Apr. 10	7,610	2,21
	Jul. 19	37,075	48,34		Jul. 19	7,690	2,81
	Oct. 27	36,987	47,69		Oct. 27	7,766	3,40
	Dec. 66	36,903	47,06		Dec. 66	7,837	3,97
1757	Jan. 0	22 52 39,909	+13 54 6,46	1767	Jan. 0	22 53 10,792	+13 57 22,98
	Apr. 10	39,827	5,84		Apr. 10	10,860	23,54
	Jul. 19	39,751	5,24		Jul. 19	10,922	24,06
	Oct. 27	39,681	4,67		Oct. 27	10,978	24,55
	Dec. 66	39,616	4,12		Dec. 66	11,027	25,01
1758	Jan. 0	22 52 42,615	+13 54 23,48	1768	Jan. 1	22 53 13,990	+13 57 44,06
	Apr. 10	42,554	22,96		Apr. 10	14,034	44,49
	Jul. 19	42,501	22,48		Jul. 19	14,071	44,88
	Oct. 27	42,456	22,04		Oct. 27	14,100	45,21
	Dec. 66	42,418	21,65		Dec. 66	14,121	45,50
1759	Jan. 0	22 52 45,408	+13 54 40,96	1769	Jan. 0	22 53 17,094	+13 58 4,61
	Apr. 10	45,375	40,60		Apr. 10	17,109	4,86
	Jul. 19	45,351	40,29		Jul. 19	17,116	5,06
	Oct. 27	45,335	40,03		Oct. 27	17,115	5,20
	Dec. 66	45,328	39,83		Dec. 66	17,105	5,29

Tabulae X. Sect. I. *a Pegasi.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″				h ′ ″	° ′ ″
Jan. 0	−0,575	− 9,4	+ 3,32	−10,6	+3	+2	1750	22 52 19,5834	+13 51 53,798
10	−0,661	− 7,7	+ 2,19	−11,8	+2	+2	1751	52 22,5106	52 12,976
20	−0,729	− 5,8	+ 0,97	−12,5	+2	+2	1752	52 25,4879	52 32,155
30	−0,776	− 3,5	− 0,30	−12,6	+2	+2	1753	52 28,4652	52 51,335
Febr. 9	−0,798	− 0,8	− 1,54	−12,1	+1	+2	1754	52 31,4426	53 10,517
							1755	52 34,4200	53 29,700
19	−0,792	+ 2,2	− 2,71	−11,1	+1	+2	1756	52 37,3975	53 48,884
Mart. 1	−0,755	+ 5,5	− 3,75	− 9,4	0	+2	1757	52 40,3750	54 8,069
11	−0,683	+ 9,0	− 4,58	− 7,1	−1	+1	1758	52 43,3527	54 27,254
21	−0,576	+12,6	− 5,16	− 4,3	−1	+1	1759	52 46,3304	54 46,441
31	−0,431	+16,3	− 5,44	− 1,1	−1	+1	1760	52 49,3081	55 5,629
							1761	52 52,2859	55 24,818
Apr. 10	−0,250	+19,9	− 5,38	+ 2,3	−2	0	1762	52 55,2637	55 44,009
20	−0,083	+23,3	− 4,98	+ 5,8	−2	0	1763	52 58,2416	56 3,201
30	+0,216	+26,3	− 4,23	+ 9,3	−2	0	1764	53 1,2194	56 22,394
Maj. 10	+0,492	+28,7	− 3,13	+12,6	−3	−1	1765	53 4,1974	56 41,588
20	+0,790	+30,5	− 1,72	+15,5	−3	−1	1766	53 7,1754	57 0,783
							1767	53 10,1535	57 19,979
30	+1,102	+31,6	− 0,08	+18,1	−3	−1	1768	53 13,1316	57 39,177
Jun. 9	+1,421	+31,8	+ 1,90	+20,2	−3	−1	1769	53 16,1099	57 58,376
19	+1,738	+31,2	+ 4,01	+21,7	−2	−2	1770	53 19,0881	58 17,576
29	+2,044	+29,8	+ 6,24	+22,6	−2	−2			
Jul. 9	+2,333	+27,6	+ 8,53	+23,0	−2	−2			
19	+2,595	+24,7	+10,83	+22,8	−2	−1			
29	+2,826	+21,3	+13,09	+22,1	−1	−1			
Aug. 8	+3,020	+17,4	+15,24	+20,9	−1	−1			
18	+3,173	+13,2	+17,26	+19,3	0	−1			
28	+3,284	+ 9,0	+19,10	+17,4	0	−1			
Sept. 7	+3,353	+ 4,9	+20,73	+15,3	+1	0			
17	+3,381	+ 0,9	+22,15	+13,0	+1	0			
27	+3,371	− 2,7	+23,33	+10,6	+2	0			
Oct. 7	+3,328	− 5,7	+24,26	+ 8,1	+2	+1			
17	+3,257	− 8,2	+24,94	+ 5,6	+3	+1			
27	+3,164	−10,1	+25,38	+ 3,2	+3	+2			
Nov. 6	+3,055	−11,4	+25,57	+ 0,7	+3	+2			
16	+2,937	−12,1	+25,52	− 1,7	+3	+2			
26	+2,813	−12,3	+25,24	− 3,9	+4	+3			
Dec. 6	+2,691	−12,0	+24,74	− 6,0	+4	+3			
16	+2,573	−11,4	+24,04	− 8,0	+4	+3			
26	+2,464	−10,2	+23,14	− 9,7	+3	+3			
36	+2,369	− 8,8	+22,10	−11,1	+3	+3			

Diei reducto addendum est:

ante / post } Mart. 1 { 0 / + 1

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *α Andromedae.*

1750	Jan. 0	23 55 32,124	+27 42 39,57	1760	Jan. 1	23 56 0,796	+27 45 45,47
	Apr. 10	32,168	39,68		Apr. 10	0,779	45,53
	Jul. 19	32,203	39,74		Jul. 19	0,771	45,65
	Oct. 27	32,229	39,74		Oct. 27	0,772	45,82
	Dec. 66	32,247	39,68		Dec. 66	0,781	46,05
1751	Jan. 0	23 55 35,306	+27 42 59,61	1761	Jan. 0	23 56 3,843	+27 46 5,87
	Apr. 10	35,318	59,52		Apr. 10	3,859	6,13
	Jul. 19	35,320	59,37		Jul. 19	3,888	6,44
	Oct. 27	35,313	59,16		Oct. 27	3,915	6,79
	Dec. 66	35,297	58,90		Dec. 66	3,956	7,19
1752	Jan. 1	23 55 38,368	+27 43 18,90	1762	Jan. 0	23 56 7,008	+27 46 26,97
	Apr. 10	38,346	18,60		Apr. 10	7,054	27,38
	Jul. 19	38,316	18,26		Jul. 19	7,107	27,84
	Oct. 27	38,276	17,86		Oct. 27	7,167	28,33
	Dec. 66	38,227	17,42		Dec. 66	7,234	28,85
1753	Jan. 0	23 55 41,309	+27 43 37,48	1763	Jan. 0	23 56 10,278	+27 46 48,51
	Apr. 10	41,255	37,01		Apr. 10	10,349	49,13
	Jul. 19	41,194	36,51		Jul. 19	10,425	49,64
	Oct. 27	41,125	35,98		Oct. 27	10,506	50,25
	Dec. 66	41,049	35,41		Dec. 66	10,591	50,84
1754	Jan. 0	23 55 44,140	+27 43 55,51	1764	Jan. 1	23 56 13,629	+27 47 10,55
	Apr. 10	44,060	54,92		Apr. 10	13,717	11,15
	Jul. 19	43,976	54,32		Jul. 19	13,808	11,75
	Oct. 27	43,886	53,71		Oct. 27	13,901	12,35
	Dec. 66	43,792	53,08		Dec. 66	13,997	12,95
1755	Jan. 0	23 55 46,889	+27 44 13,20	1765	Jan. 0	23 56 17,032	+27 47 32,65
	Apr. 10	46,793	12,57		Apr. 10	17,128	33,24
	Jul. 19	46,695	11,94		Jul. 19	17,224	33,82
	Oct. 27	46,596	11,32		Oct. 27	17,320	34,39
	Dec. 66	46,495	10,70		Dec. 66	17,415	34,95
1756	Jan. 1	23 55 49,594	+27 44 30,81	1766	Jan. 0	23 56 20,450	+27 47 54,46
	Apr. 10	49,493	30,21		Apr. 10	20,545	55,13
	Jul. 19	49,393	29,63		Jul. 19	20,636	55,67
	Oct. 27	49,296	29,08		Oct. 27	20,724	56,13
	Dec. 66	49,200	28,55		Dec. 66	20,808	56,51
1757	Jan. 0	23 55 52,297	+27 44 48,64	1767	Jan. 0	23 56 23,348	+27 48 16,53
	Apr. 10	52,204	48,13		Apr. 10	23,930	16,73
	Jul. 19	52,115	47,67		Jul. 19	24,006	17,09
	Oct. 27	52,031	47,25		Oct. 27	24,077	17,40
	Dec. 66	51,951	46,88		Dec. 66	24,142	17,65
1758	Jan. 0	23 55 55,043	+27 45 6,91	1768	Jan. 1	23 56 27,189	+27 48 57,49
	Apr. 10	54,967	6,57		Apr. 10	27,249	57,72
	Jul. 19	54,899	6,28		Jul. 19	27,302	57,90
	Oct. 27	54,838	6,04		Oct. 27	27,347	58,02
	Dec. 66	54,784	5,86		Dec. 66	27,384	58,09
1759	Jan. 0	23 55 57,867	+27 45 25,82	1769	Jan. 0	23 56 30,440	+27 48 57,98
	Apr. 10	57,819	25,67		Apr. 10	30,472	58,01
	Jul. 19	57,779	25,58		Jul. 19	30,495	57,98
	Oct. 27	57,748	25,55		Oct. 27	30,509	57,90
	Dec. 66	57,725	25,58		Dec. 66	30,514	57,76

Tabulae X. Sect. I. *α Andromedae.*

	1760		1760		Var. 10 annor.			A. R. med.	Decl. med.
	′		″	″				h ′ ″	° ′ ″
Jan. 0	−0,226	−13,5	+ 8,19	− 8,5	+3	+2	1750	23 55 31,1828	+27 42 33,055
10	−0,359	−12,9	+ 7,21	−11,1	+3	+2	1751	55 34,2469	42 52,964
20	−0,484	−11,9	+ 5,98	−13,2	+3	+3	1752	55 37,3116	43 12,873
30	−0,596	−10,3	+ 4,57	−14,8	+2	+3	1753	55 40,3765	43 32,782
Febr. 9	−0,689	− 8,1	+ 3,02	−15,9	+2	+3	1754	55 43,4415	43 52,691
							1755	55 46,5067	44 12,600
19	−0,757	− 5,2	+ 1,40	−16,1	+1	+3	1756	55 49,5721	44 32,509
Mart. 1	−0,795	− 1,8	− 0,20	−15,6	+1	+3	1757	55 52,6378	44 52,418
11	−0,792	+ 2,2	− 1,72	−14,4	0	+3	1758	55 55,7036	45 12,327
21	−0,750	+ 6,4	− 3,08	−12,4	0	+2	1759	55 58,7696	45 32,236
31	−0,664	+10,9	− 4,20	− 9,8	−1	+2	1760	56 1,8358	45 52,144
							1761	56 4,9021	46 12,052
Apr. 10	−0,532	+15,5	− 5,03	− 6,6	−1	+2	1762	56 7,9686	46 31,961
20	−0,355	+19,9	− 5,52	− 3,0	−2	+1	1763	56 11,0353	46 51,869
30	−0,135	+24,0	− 5,63	+ 0,9	−2	+1	1764	56 14,1022	47 11,778
Maj. 10	+0,124	+27,5	− 5,35	+ 4,7	−2	0	1765	56 17,1692	47 31,686
20	+0,415	+30,4	− 4,69	+ 8,6	−3	0	1766	56 20,2364	47 51,594
							1767	56 23,3038	48 11,503
30	+0,732	+32,6	− 3,63	+12,4	−3	−1	1768	56 26,3714	48 31,411
Jun. 9	+1,066	+33,9	− 2,22	+15,7	−3	−1	1769	56 29,4391	48 51,320
19	+1,409	+34,2	− 0,50	+18,6	−2	−2	1770	56 32,5070	49 11,228
29	+1,750	+33,7	+ 1,49	+21,0	−2	−2			
Jul. 9	+2,082	+32,3	+ 3,70	+22,9	−2	−2			
19	+2,395	+30,1	+ 6,07	+24,2	−2	−3			
29	+2,683	+27,2	+ 8,54	+24,9	−1	−3			
Aug. 8	+2,938	+23,7	+11,05	+25,1	−1	−3			
18	+3,157	+19,9	+13,55	+24,7	0	−3			
28	+3,336	+15,9	+15,98	+23,8	0	−3			
Sept. 7	+3,474	+11,7	+18,31	+22,6	+1	−3			
17	+3,570	+ 7,7	+20,49	+20,9	+2	−2			
27	+3,627	+ 3,8	+22,49	+18,9	+2	−2			
Oct. 7	+3,646	+ 0,2	+24,27	+16,7	+3	−2			
17	+3,630	− 3,1	+25,82	+14,2	+3	−1			
27	+3,585	− 5,8	+27,10	+11,5	+4	−1			
Nov. 6	+3,514	− 8,2	+28,11	+ 8,6	+4	0			
16	+3,422	−10,1	+28,81	+ 5,6	+5	0			
26	+3,315	−11,6	+29,22	+ 2,6	+5	+1			
Dec. 6	+3,191	−12,7	+29,32	− 0,6	+5	+1			
16	+3,060	−13,3	+29,10	− 3,8	+5	+1			
26	+2,925	−13,5	+28,57	− 6,7	+5	+2			
36	+2,790	−13,4	+27,76	− 9,5	+5	+2			

Diei reducto addendum est:

ante / post } Mart. 19 { 0 / + 1

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. I. *α Ursae minoris.*

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		′ ″	″	° ′ ″	″		
1750	Jan. 0	0 42 51,84		87 58 9,31		555	495
	Apr. 10	53,41	+ 1,57	9,25	— 0,06		
	Jul. 19	54,95	+ 1,54	9,14	— 0,11		
	Oct. 27	56,47	+ 1,52	8,97	— 0,17		
	Dec. 66	57,97	+ 1,50	8,74	— 0,23		
1751	Jan. 0	0 43 7,64		87 58 28,54		501	864
	Apr. 10	9,11	+ 1,47	28,28	— 0,26		
	Jul. 19	10,51	+ 1,40	27,97	— 0,31		
	Oct. 27	11,84	+ 1,33	27,60	— 0,37		
	Dec. 66	13,10	+ 1,26	27,19	— 0,41		
1752	Jan. 1	0 43 22,90		87 58 47,05		447	232
	Apr. 10	24,10	+ 1,20	46,61	— 0,45		
	Jul. 19	25,19	+ 1,09	46,12	— 0,49		
	Oct. 27	26,17	+ 0,98	45,59	— 0,53		
	Dec. 66	27,04	+ 0,87	45,02	— 0,57		
1753	Jan. 0	0 43 37,03		87 59 4,95		394	600
	Apr. 10	37,81	+ 0,78	4,38	— 0,57		
	Jul. 19	38,46	+ 0,65	3,78	— 0,60		
	Oct. 27	38,96	+ 0,50	3,17	— 0,61		
	Dec. 66	39,33	+ 0,37	2,54	— 0,63		
1754	Jan. 0	0 43 49,53		87 59 22,47		340	969
	Apr. 10	49,80	+ 0,27	21,83	— 0,64		
	Jul. 19	49,91	+ 0,11	21,19	— 0,64		
	Oct. 27	49,88	— 0,03	20,55	— 0,64		
	Dec. 66	49,70	— 0,18	19,91	— 0,64		
1755	Jan. 0	0 44 0,13		87 59 39,83		286	337
	Apr. 10	43 59,84	— 0,29	39,21	— 0,62		
	Jul. 19	59,41	— 0,43	38,60	— 0,61		
	Oct. 27	58,84	— 0,57	38,02	— 0,58		
	Dec. 66	58,12	— 0,72	37,46	— 0,56		
1756	Jan. 1	0 44 8,79		87 59 57,35		232	705
	Apr. 10	7,98	— 0,81	56,81	— 0,54		
	Jul. 19	7,05	— 0,93	56,31	— 0,50		
	Oct. 27	6,00	— 1,05	55,86	— 0,45		
	Dec. 66	4,84	— 1,16	55,44	— 0,42		
1757	Jan. 0	0 44 15,70		88 0 15,28		179	073
	Apr. 10	14,46	— 1,24	14,89	— 0,39		
	Jul. 19	13,15	— 1,31	14,56	— 0,33		
	Oct. 27	11,76	— 1,39	14,28	— 0,28		
	Dec. 66	10,28	— 1,48	14,05	— 0,23		
1758	Jan. 0	0 44 21,29		88 0 33,82		125	442
	Apr. 10	19,78	— 1,51	33,63	— 0,19		
	Jul. 19	18,24	— 1,54	33,50	— 0,13		
	Oct. 27	16,66	— 1,58	33,43	— 0,07		
	Dec. 66	15,06	— 1,60	33,42	— 0,01		
1759	Jan. 0	0 44 26,16		88 0 53,11		071	810
	Apr. 10	24,55	— 1,61	53,14	+ 0,03		
	Jul. 19	22,96	— 1,59	53,22	+ 0,08		
	Oct. 27	21,39	— 1,57	53,37	+ 0,15		
	Dec. 66	19,83	— 1,56	53,57	+ 0,20		

Tabulae X. Sect. I. *α Ursae minoris.*

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1760	Jan. 1	0 44 30,96		88 1 15,18		017	178
	Apr. 10	29,43	− 1,53	15,42	+ 0,24		
	Jul. 19	27,97	− 1,46	15,70	+ 0,28		
	Oct. 27	26,58	− 1,39	14,03	+ 0,33		
	Dec. 66	25,25	− 1,33	14,41	+ 0,38		
1761	Jan. 0	0 44 36,34		88 1 33,97		964	546
	Apr. 10	35,07	− 1,27	34,38	+ 0,41		
	Jul. 19	33,91	− 1,16	34,82	+ 0,44		
	Oct. 27	32,84	− 1,07	35,31	+ 0,49		
	Dec. 66	31,88	− 0,96	35,84	+ 0,53		
1762	Jan. 0	0 44 42,90		88 1 55,34		910	915
	Apr. 10	42,02	− 0,88	55,87	+ 0,53		
	Jul. 19	41,27	− 0,75	56,43	+ 0,56		
	Oct. 27	40,64	− 0,63	57,01	+ 0,58		
	Dec. 66	40,15	− 0,49	57,61	+ 0,60		
1763	Jan. 0	0 44 51,06		88 2 17,09		856	283
	Apr. 10	50,66	− 0,40	17,69	+ 0,60		
	Jul. 19	50,40	− 0,26	18,30	+ 0,61		
	Oct. 27	50,29	− 0,11	18,91	+ 0,61		
	Dec. 66	50,31	+ 0,02	19,52	+ 0,61		
1764	Jan. 1	0 45 1,10		88 2 39,00		803	651
	Apr. 10	1,22	+ 0,12	39,61	+ 0,61		
	Jul. 19	1,49	+ 0,27	40,20	+ 0,59		
	Oct. 27	1,89	+ 0,40	40,78	+ 0,58		
	Dec. 66	2,43	+ 0,54	41,34	+ 0,56		
1765	Jan. 0	0 45 13,10		88 3 0,83		749	020
	Apr. 10	13,73	+ 0,63	1,37	+ 0,54		
	Jul. 19	14,49	+ 0,76	1,89	+ 0,52		
	Oct. 27	15,38	+ 0,89	2,37	+ 0,48		
	Dec. 66	16,39	+ 1,01	2,83	+ 0,46		
1766	Jan. 0	0 45 26,97		88 3 22,35		695	388
	Apr. 10	28,05	+ 1,08	22,78	+ 0,43		
	Jul. 19	29,23	+ 1,18	23,16	+ 0,38		
	Oct. 27	30,50	+ 1,27	23,50	+ 0,34		
	Dec. 66	31,88	+ 1,38	23,79	+ 0,29		
1767	Jan. 0	0 45 42,37		88 3 43,37		641	756
	Apr. 10	43,80	+ 1,43	43,63	+ 0,26		
	Jul. 19	45,29	+ 1,49	43,83	+ 0,20		
	Oct. 27	46,82	+ 1,53	43,99	+ 0,16		
	Dec. 66	48,42	+ 1,60	44,09	+ 0,10		
1768	Jan. 1	0 45 58,90		88 4 3,72		588	124
	Apr. 10	46 0,52	+ 1,62	3,79	+ 0,07		
	Jul. 19	2,14	+ 1,62	3,79	0,00		
	Oct. 27	3,77	+ 1,63	3,73	− 0,06		
	Dec. 66	5,41	+ 1,64	3,62	− 0,11		
1769	Jan. 0	0 46 15,94		88 4 23,33		534	493
	Apr. 10	17,56	+ 1,62	23,18	− 0,15		
	Jul. 19	19,15	+ 1,59	22,98	− 0,20		
	Oct. 27	20,69	+ 1,54	22,72	− 0,26		
	Dec. 66	22,19	+ 1,50	22,40	− 0,32		

Tabulae X. Sect. I. *α Ursae minoris.*

	Corr. A. R. pro 1760		Variatio annua		Corr. Decl. pro 1760		Variatio annua		Mot. Arg. ☉+☊	Mot. Arg. ☽
	″	″	″		″	″	″			
Jan. 0	+ 2,88	−6,20	+0,0385	−168	+20,17	+0,41	−0,0009	+27	000	000
10	− 3,32	−6,18	+0,0217	−177	+20,58	−0,24	+0,0018	+28	026	365
20	− 9,50	−5,92	+0,0040	−179	+20,34	−0,87	+0,0046	+25	052	730
30	−15,42	−5,45	−0,0139	−175	+19,47	−1,48	+0,0071	+23	078	095
Febr. 9	−20,87	−4,74	−0,0314	−164	+17,99	−2,01	+0,0094	+19	103	460
19	−25,61	−3,87	−0,0478	−148	+15,98	−2,44	+0,0113	+17	129	825
Mart. 1	−29,48	−2,84	−0,0626	−122	+13,54	−2,79	+0,0130	+11	155	190
11	−32,32	−1,71	−0,0748	− 91	+10,75	−3,00	+0,0141	+ 6	181	555
21	−34,03	−0,53	−0,0839	− 61	+ 7,75	−3,09	+0,0147	+ 2	207	920
31	−34,56	+0,67	−0,0900	− 29	+ 4,66	−3,07	+0,0149	− 4	233	285
Apr. 10	−33,89	+1,81	−0,0929	+ 7	+ 1,59	−2,91	+0,0145	− 8	258	650
20	−32,08	+2,88	−0,0922	+ 37	− 1,32	−2,65	+0,0137	−13	284	015
30	−29,20	+3,84	−0,0885	+ 71	− 3,97	−2,30	+0,0124	−16	310	380
Maj. 10	−25,36	+4,64	−0,0814	+ 97	− 6,27	−1,88	+0,0108	−19	336	745
20	−20,72	+5,29	−0,0717	+123	− 8,15	−1,39	+0,0089	−22	362	110
30	−15,43	+5,78	−0,0594	+143	− 9,54	−0,85	+0,0067	−25	388	475
Jun. 9	− 9,65	+6,09	−0,0451	+155	−10,39	−0,31	+0,0042	−24	413	840
19	− 3,56	+6,22	−0,0296	+174	−10,70	+0,25	+0,0018	−26	439	205
29	+ 2,66	+6,20	−0,0122	+180	−10,45	+0,80	−0,0008	−26	465	570
Jul. 9	+ 8,86	+6,02	+0,0058	+184	− 9,65	+1,33	−0,0034	−24	491	935
19	+14,88	+5,71	+0,0242	+179	− 8,32	+1,83	−0,0058	−24	517	300
29	+20,59	+5,27	+0,0421	+176	− 6,49	+2,29	−0,0082	−23	543	665
Aug. 8	+25,86	+4,73	+0,0597	+164	− 4,20	+2,69	−0,0105	−19	568	030
18	+30,59	+4,08	+0,0761	+159	− 1,51	+3,05	−0,0124	−17	594	395
28	+34,67	+3,36	+0,0920	+141	+ 1,54	+3,33	−0,0141	−13	620	760
Sept. 7	+38,03	+2,56	+0,1061	+120	+ 4,87	+3,57	−0,0154	−11	646	125
17	+40,59	+1,70	+0,1181	+103	+ 8,44	+3,72	−0,0165	− 7	672	490
27	+42,29	+0,80	+0,1284	+ 78	+12,16	+3,80	−0,0172	− 3	698	855
Oct. 7	+43,09	−0,12	+0,1362	+ 55	+15,96	+3,80	−0,0175	+ 1	723	220
17	+42,97	−1,09	+0,1417	+ 25	+19,76	+3,73	−0,0174	+ 5	749	585
27	+41,88	−2,02	+0,1442	− 4	+23,49	+3,55	−0,0169	+10	775	950
Nov. 6	+39,86	−2,96	+0,1438	− 32	+27,04	+3,30	−0,0159	+13	801	315
16	+36,90	−3,82	+0,1406	− 62	+30,34	+2,95	−0,0146	+17	827	680
26	+33,08	−4,61	+0,1344	− 91	+33,29	+2,52	−0,0129	+21	853	045
Dec. 6	+28,47	−5,27	+0,1253	−117	+35,81	+2,02	−0,0108	+23	879	410
16	+23,20	−5,80	+0,1136	−142	+37,83	+1,44	−0,0085	+25	904	775
26	+17,40	−6,12	+0,0994	−160	+39,27	+0,82	−0,0060	+28	930	140
36	+11,28		+0,0834		+40,09		−0,0032		956	505

In mensibus Jan. et Febr. annorum bissextorum legitur dies insequens.

Dici reducto addendum est:

pro Culminatione superiori { ante / post } Apr. 1 { + 1 / + 2 }

pro Culminatione inferiori { ante / post } Oct. 4 { + 1,5 / + 2,5 }

Tabulae X. Sect. I. *a Ursae minoris.*

Motus Arg.		
Dies	☉+☊	☽
1	003	037
2	005	073
3	008	110
4	010	146
5	013	183
6	016	219
7	018	256
8	021	292
9	023	329
10	026	365

Arg. ☉ + ☊		
Arg.	A. R.	Arg.
000	−0,02 +	500
010	−0,01 +	510
020	−0,01 +	520
030	−0,01 +	530
040	−0,01 +	540
050	0,00	550
060	0,00	560
070	0,00	570
080	0,00	580
090	+0,01 —	590
100	+0,01 —	600
110	+0,01 —	610
120	+0,02 —	620
130	+0,02 —	630
140	+0,02 —	640
150	+0,02 —	650
160	+0,02 —	660
170	+0,03 —	670
180	+0,03 —	680
190	+0,03 —	690
200	+0,03 —	700
210	+0,03 —	710
220	+0,04 —	720
230	+0,04 —	730
240	+0,04 —	740
250	+0,04 —	750
260	+0,04 —	760
270	+0,04 —	770
280	+0,04 —	780
290	+0,04 —	790
300	+0,04 —	800
310	+0,04 —	810
320	+0,04 —	820
330	+0,04 —	830
340	+0,04 —	840
350	+0,04 —	850
360	+0,04 —	860
370	+0,04 —	870
380	+0,04 —	880
390	+0,04 —	890
400	+0,03 —	900
410	+0,03 —	910
420	+0,03 —	920
430	+0,03 —	930
440	+0,03 —	940
450	+0,03 —	950
460	+0,02 —	960
470	+0,02 —	970
480	+0,02 —	980
490	+0,02 —	990

Arg. ☽			
Arg.	Arg.	A. R.	Decl.
000	500	— 0,17	+ 0,02
010	510	— 0,17	+ 0,01
020	520	— 0,17	0,00
030	530	— 0,17	— 0,01
040	540	— 0,17	— 0,02
050	550	— 0,16	— 0,03
060	560	— 0,15	— 0,04
070	570	— 0,14	— 0,05
080	580	— 0,13	— 0,06
090	590	— 0,11	— 0,06
100	600	— 0,09	— 0,07
110	610	— 0,07	— 0,07
120	620	— 0,05	— 0,08
130	630	— 0,03	— 0,08
140	640	— 0,01	— 0,08
150	650	+ 0,01	— 0,08
160	660	+ 0,03	— 0,08
170	670	+ 0,05	— 0,07
180	680	+ 0,07	— 0,07
190	690	+ 0,09	— 0,07
200	700	+ 0,11	— 0,06
210	710	+ 0,13	— 0,05
220	720	+ 0,14	— 0,05
230	730	+ 0,15	— 0,04
240	740	+ 0,16	— 0,03
250	750	+ 0,17	— 0,02
260	760	+ 0,17	— 0,01
270	770	+ 0,17	0,00
280	780	+ 0,17	+ 0,01
290	790	+ 0,17	+ 0,02
300	800	+ 0,16	+ 0,03
310	810	+ 0,15	+ 0,04
320	820	+ 0,14	+ 0,05
330	830	+ 0,13	+ 0,06
340	840	+ 0,11	+ 0,06
350	850	+ 0,09	+ 0,07
360	860	+ 0,07	+ 0,07
370	870	+ 0,05	+ 0,08
380	880	+ 0,03	+ 0,08
390	890	+ 0,01	+ 0,08
400	900	— 0,01	+ 0,08
410	910	— 0,03	+ 0,08
420	920	— 0,05	+ 0,07
430	930	— 0,07	+ 0,07
440	940	— 0,09	+ 0,07
450	950	— 0,11	+ 0,06
460	960	— 0,13	+ 0,05
470	970	— 0,14	+ 0,05
480	980	— 0,15	+ 0,04
490	990	— 0,16	+ 0,03

Tabulae X. Sect. I. *α Ursae minoris.*

	A. R. med.		Decl. med.	
	h ′ ″	+	° ′ ″	+
1750	0 42 51,686	10,166	87 58 2,556	19,719
1751	43 1,852	10,214	58 22,275	19,716
1752	43 12,066	10,262	58 41,991	19,713
1753	43 22,328	10,310	59 1,704	19,710
1754	43 32,638	10,359	59 21,414	19,706
1755	43 42,997	10,408	59 41,120	19,704
1756	43 53,405	10,456	88 0 0,824	19,701
1757	44 3,861	10,507	0 20,525	19,697
1758	44 14,368	10,556	0 40,222	19,695
1759	44 24,924	10,606	0 59,917	19,691
1760	44 35,530	10,658	1 19,608	19,688
1761	44 46,188	10,708	1 39,296	19,685
1762	44 56,896	10,759	1 58,981	19,682
1763	45 7,655	10,811	2 18,663	19,679
1764	45 18,466	10,863	2 38,342	19,676
1765	45 29,329	10,916	2 58,018	19,672
1766	45 40,245	10,969	3 17,690	19,669
1767	45 51,214	11,022	3 37,359	19,666
1768	46 2,236	11,075	3 57,025	19,662
1769	46 13,311	11,130	4 16,687	19,659
1770	46 24,441		4 36,346	

Tabulae X. Sectio secunda.

Adscensiones rectae et Declinationes mediae et apparentes
Stellarum 36 *fundamentalium atque* α *Ursae minoris,*

ab Anno 1770 usque ad Annum 1790.

Tabulae X. Sect. II. γ *Pegasi.*

		h m s	° ′ ″			h m s	° ′ ″
1770	Jan. 0	0 1 25,893	+13 54 21,08	1780	Jan. 1	0 1 54,647	+13 57 29,29
	Apr. 10	25,877	20,88		Apr. 10	54,688	29,64
	Jul. 19	25,852	20,63		Jul. 19	54,736	30,02
	Oct. 27	25,820	20,33		Oct. 27	54,791	30,45
	Dec. 66	25,777	19,98		Dec. 66	54,852	30,91
1771	Jan. 0	0 1 28,865	+13 54 40,14	1781	Jan. 0	0 1 57,906	+13 57 50,79
	Apr. 10	28,818	39,75		Apr. 10	57,972	51,28
	Jul. 19	28,763	39,32		Jul. 19	58,043	51,79
	Oct. 27	28,701	38,85		Oct. 27	58,119	52,33
	Dec. 66	28,631	38,35		Dec. 66	58,200	52,89
1772	Jan. 1	0 1 31,729	+13 54 58,55	1782	Jan. 0	0 2 1,247	+13 58 12,73
	Apr. 10	31,655	58,02		Apr. 10	1,331	13,31
	Jul. 19	31,576	57,46		Jul. 19	1,418	13,89
	Oct. 27	31,492	56,88		Oct. 27	1,507	14,49
	Dec. 66	31,403	56,27		Dec. 66	1,599	15,09
1773	Jan. 0	0 1 34,507	+13 55 16,51	1783	Jan. 0	0 2 4,643	+13 58 34,92
	Apr. 10	34,416	15,89		Apr. 10	4,736	35,53
	Jul. 19	34,322	15,27		Jul. 19	4,828	36,12
	Oct. 27	34,226	14,64		Oct. 27	4,921	36,71
	Dec. 66	34,128	14,01		Dec. 66	5,014	37,28
1774	Jan. 0	0 1 37,235	+13 55 34,26	1784	Jan. 1	0 2 8,058	+13 58 57,13
	Apr. 10	37,137	33,63		Apr. 10	8,150	57,70
	Jul. 19	37,040	33,01		Jul. 19	8,240	58,24
	Oct. 27	36,944	32,42		Oct. 27	8,327	58,76
	Dec. 66	36,849	31,84		Dec. 66	8,411	59,25
1775	Jan. 0	0 1 39,954	+13 55 52,06	1785	Jan. 0	0 2 11,458	+13 59 19,12
	Apr. 10	39,861	51,50		Apr. 10	11,540	19,59
	Jul. 19	39,772	50,97		Jul. 19	11,616	20,02
	Oct. 27	39,687	50,48		Oct. 27	11,688	20,42
	Dec. 66	39,607	50,02		Dec. 66	11,754	20,77
1776	Jan. 1	0 1 42,708	+13 56 10,20	1786	Jan. 0	0 2 14,807	+13 59 40,69
	Apr. 10	42,632	9,78		Apr. 10	14,869	41,01
	Jul. 19	42,562	9,40		Jul. 19	14,925	41,23
	Oct. 27	42,498	9,06		Oct. 27	14,972	41,51
	Dec. 66	42,439	8,76		Dec. 66	15,013	41,68
1777	Jan. 0	0 1 45,532	+13 56 28,89	1787	Jan. 0	0 2 18,076	+14 0 1,66
	Apr. 10	45,480	28,64		Apr. 10	18,111	1,79
	Jul. 19	45,436	28,44		Jul. 19	18,138	1,87
	Oct. 27	45,400	28,30		Oct. 27	18,156	1,89
	Dec. 66	45,373	28,22		Dec. 66	18,166	1,86
1778	Jan. 0	0 1 48,456	+13 56 48,28	1788	Jan. 1	0 2 21,239	+14 0 21,91
	Apr. 10	48,434	48,23		Apr. 10	21,243	21,84
	Jul. 19	48,421	48,24		Jul. 19	21,238	21,71
	Oct. 27	48,417	48,31		Oct. 27	21,224	21,53
	Dec. 66	48,422	48,44		Dec. 66	21,202	21,29
1779	Jan. 0	0 1 51,494	+13 57 8,42	1789	Jan. 0	0 2 24,286	+14 0 41,41
	Apr. 10	51,504	8,58		Apr. 10	24,257	41,13
	Jul. 19	51,523	8,79		Jul. 19	24,220	40,81
	Oct. 27	51,550	9,06		Oct. 27	24,175	40,43
	Dec. 66	51,585	9,37		Dec. 66	24,122	40,01

Tabulae X. Sect. II. *γ Pegasi.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″		″					h ′ ″	° ′ ″
Jan. 0	−0,165	−11,3	+ 3,69	− 7,8	+3	+2	1770	0 1 24,8607	+13 54 14,638
10	−0,277	−10,9	+ 2,86	− 8,9	+3	+2	1771	1 27,9344	54 34,673
20	−0,383	−10,1	+ 1,91	− 9,8	+3	+2	1772	1 31,0082	54 54,707
30	−0,479	− 8,8	+ 0,91	−10,2	+2	+2	1773	1 34,0821	55 14,742
Febr. 9	−0,559	− 7,0	− 0,13	−10,2	+2	+2	1774	1 37,1561	55 34,776
							1775	1 40,2302	55 54,811
19	−0,618	− 4,6	− 1,13	− 9,6	+2	+2	1776	1 43,3044	56 14,845
Mart. 1	−0,651	− 1,8	− 2,05	− 8,5	+1	+2	1777	1 46,3787	56 34,879
11	−0,654	+ 1,6	− 2,83	− 6,9	0	+2	1778	1 49,4531	56 54,913
21	−0,620	+ 5,4	− 3,43	− 4,8	0	+1	1779	1 52,5276	57 14,947
31	−0,547	+ 9,4	− 3,79	− 2,2	−1	+1	1780	1 55,6022	57 34,980
							1781	1 58,6769	57 55,014
Apr. 10	−0,433	+13,5	− 3,87	+ 0,7	−1	+1	1782	2 1,7517	58 15,047
20	−0,278	+17,6	− 3,66	+ 3,7	−2	0	1783	2 4,8266	58 35,080
30	−0,082	+21,5	− 3,13	+ 6,9	−2	0	1784	2 7,9016	58 55,114
Maj. 10	+0,151	+24,9	− 2,28	+10,0	−2	−1	1785	2 10,9767	59 15,147
20	+0,416	+27,8	− 1,13	+13,1	−2	−1	1786	2 14,0519	59 35,179
							1787	2 17,1272	59 55,212
30	+0,707	+30,1	+ 0,31	+15,7	−2	−1	1788	2 20,2026	14 0 15,245
Jun. 9	+1,017	+31,5	+ 1,99	+17,8	−3	−2	1789	2 23,2780	0 35,277
19	+1,337	+32,1	+ 3,87	+19,6	−2	−2	1790	2 26,3534	0 55,310
29	+1,659	+31,9	+ 5,91	+20,9	−2	−2			
Jul. 9	+1,975	+30,9	+ 8,04	+21,5	−2	−2			
19	+2,276	+29,1	+10,21	+21,7	−2	−2			
29	+2,556	+26,5	+12,38	+21,4	−2	−2			
Aug. 8	+2,806	+23,4	+14,48	+20,5	−1	−2			
18	+3,024	+20,0	+16,47	+19,2	−1	−2			
28	+3,205	+16,2	+18,31	+17,6	0	−2			
Sept. 7	+3,348	+12,4	+19,98	+15,7	0	−2			
17	+3,452	+ 8,5	+21,44	+13,6	+1	−1			
27	+3,518	+ 4,9	+22,69	+11,5	+1	−1			
Oct. 7	+3,549	+ 1,5	+23,74	+ 9,1	+2	−1			
17	+3,548	− 1,6	+24,51	+ 6,7	+2	0			
27	+3,518	− 4,2	+25,08	+ 4,6	+3	0			
Nov. 6	+3,465	− 6,4	+25,43	+ 2,5	+3	0			
16	+3,391	− 8,2	+25,57	+ 0,4	+4	+1			
26	+3,302	− 9,5	+25,50	− 1,7	+4	+1			
Dec. 6	+3,202	−10,5	+25,24	− 3,5	+4	+1			
16	+3,093	−11,1	+24,80	− 5,3	+4	+1			
26	+2,981	−11,3	+24,19	− 6,9	+4	+2			
36	+2,867	−11,4	+23,43	− 8,4	+4	+2			

Diei reducto addendum est:

ante / post } Mart. 20 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *α Arietis.*

1770	Jan. 0	1 54 16,448	+22 21 56,32	1780	Jan. 1	1 54 47,714	+22 24 43,56
	Apr. 10	16,435	55,79		Apr. 10	47,754	44,19
	Jul. 19	16,413	55,20		Jul. 19	47,802	44,82
	Oct. 27	16,381	54,59		Oct. 27	47,858	45,47
	Dec. 66	16,340	53,95		Dec. 66	47,922	46,14
1771	Jan. 0	1 54 19,701	+22 22 11,63	1781	Jan. 0	1 54 51,247	+22 25 3,36
	Apr. 10	19,653	10,98		Apr. 10	51,316	4,02
	Jul. 19	19,597	10,32		Jul. 19	51,390	4,67
	Oct. 27	19,533	9,64		Oct. 27	51,471	5,32
	Dec. 66	19,461	8,95		Dec. 66	51,557	5,97
1772	Jan. 1	1 54 22,832	+22 22 26,65	1782	Jan. 0	1 54 54,875	+22 25 23,19
	Apr. 10	22,755	25,97		Apr. 10	54,965	23,82
	Jul. 19	22,671	25,29		Jul. 19	55,058	24,42
	Oct. 27	22,582	24,63		Oct. 27	55,154	24,99
	Dec. 66	22,487	23,98		Dec. 66	55,253	25,54
1773	Jan. 0	1 54 25,866	+22 22 41,66	1783	Jan. 0	1 54 58,567	+22 25 42,80
	Apr. 10	25,768	41,03		Apr. 10	58,668	43,33
	Jul. 19	25,667	40,43		Jul. 19	58,769	43,81
	Oct. 27	25,463	39,86		Oct. 27	58,871	44,25
	Dec. 66	25,457	39,33		Dec. 66	58,973	44,65
1774	Jan. 0	1 54 28,838	+22 22 56,96	1784	Jan. 1	1 55 2,287	+22 26 1,96
	Apr. 10	28,731	56,46		Apr. 10	2,389	2,33
	Jul. 19	28,625	56,00		Jul. 19	2,488	2,65
	Oct. 27	28,519	55,60		Oct. 27	2,585	2,91
	Dec. 66	28,414	55,24		Dec. 66	2,679	3,12
1775	Jan. 0	1 54 31,795	+22 23 12,81	1785	Jan. 0	1 55 5,996	+22 26 20,49
	Apr. 10	31,692	12,50		Apr. 10	6,088	20,66
	Jul. 19	31,593	12,24		Jul. 19	6,174	20,78
	Oct. 27	31,498	12,04		Oct. 27	6,255	20,83
	Dec. 66	31,407	11,91		Dec. 66	6,331	20,83
1776	Jan. 1	1 54 34,783	+22 23 29,40	1786	Jan. 0	1 55 9,655	+22 26 38,27
	Apr. 10	34,697	29,31		Apr. 10	9,727	38,22
	Jul. 19	34,617	29,28		Jul. 19	9,791	38,12
	Oct. 27	34,544	29,32		Oct. 27	9,848	37,95
	Dec. 66	34,476	29,41		Dec. 66	9,897	37,73
1777	Jan. 0	1 54 37,844	+22 23 46,83	1787	Jan. 0	1 55 13,230	+22 26 55,24
	Apr. 10	37,783	46,97		Apr. 10	13,273	54,98
	Jul. 19	37,730	47,17		Jul. 19	13,307	54,66
	Oct. 27	37,687	47,42		Oct. 27	13,332	54,29
	Dec. 66	37,652	47,74		Dec. 66	13,348	53,87
1778	Jan. 0	1 54 41,010	+22 24 5,08	1788	Jan. 1	1 55 16,693	+22 27 11,44
	Apr. 10	40,981	5,43		Apr. 10	16,702	10,99
	Jul. 19	40,962	5,83		Jul. 19	16,702	10,49
	Oct. 27	40,953	6,28		Oct. 27	16,692	9,96
	Dec. 66	40,953	6,78		Dec. 66	16,672	9,38
1779	Jan. 0	1 54 44,299	+22 24 24,05	1789	Jan. 0	1 55 20,029	+22 27 27,00
	Apr. 10	44,305	24,57		Apr. 10	20,002	26,40
	Jul. 19	44,321	25,13		Jul. 19	19,966	25,78
	Oct. 27	44,346	25,71		Oct. 27	19,921	25,13
	Dec. 66	44,379	26,32		Dec. 66	19,868	24,46

Tabulae X. Sect. II. *α Arietis.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″	″	″		h ′ ″	° ′ ″
Jan. 0	+0,537	−10,6	+ 5,88	− 2,4	+4	+1	1770	1 54 15,3130	+22 21 51,835
10	+0,421	−12,4	+ 5,55	− 4,1	+4	+1	1771	54 18,6586	22 9,304
20	+0,289	−13,8	+ 5,06	− 5,7	+4	+1	1772	54 22,0044	22 26,770
30	+0,145	−14,6	+ 4,42	− 7,1	+4	+2	1773	54 25,3504	22 44,233
Febr. 9	−0,002	−14,5	+ 3,64	− 8,3	+3	+2	1774	54 28,6966	23 1,695
							1775	54 32,0430	23 19,154
19	−0,145	−13,7	+ 2,77	− 9,0	+3	+2	1776	54 35,3896	23 36,610
Mart. 1	−0,275	−12,0	+ 1,85	− 9,3	+3	+2	1777	54 38,7364	23 54,064
11	−0,384	− 9,4	+ 0,92	− 9,2	+2	+2	1778	54 42,0834	24 11,516
21	−0,462	− 6,0	+ 0,02	− 8,5	+2	+2	1779	54 45,4306	24 28,965
31	−0,503	− 2,0	− 0,78	− 7,3	+1	+2	1780	54 48,7780	24 46,412
							1781	54 52,1256	25 3,857
Apr. 10	−0,501	+ 2,6	− 1,43	− 5,6	0	+2	1782	54 55,4734	25 21,299
20	−0,452	+ 7,4	− 1,89	− 3,5	0	+1	1783	54 58,8214	25 38,738
30	−0,354	+12,2	− 2,13	− 1,1	−1	+1	1784	55 2,1696	25 56,176
Maj. 10	−0,208	+16,9	− 2,10	+ 1,4	−1	0	1785	55 5,5180	26 13,611
20	−0,016	+21,3	− 1,80	+ 4,4	−1	0	1786	55 8,8666	26 31,043
							1787	55 12,2154	26 48,473
30	+0,218	+25,2	− 1,22	+ 7,2	−2	−1	1788	55 15,5644	27 5,901
Jun. 9	+0,488	+28,4	− 0,36	+ 9,9	−2	−1	1789	55 18,9136	27 23,326
19	+0,786	+30,8	+ 0,75	+12,3	−2	−2	1790	55 22,2630	27 40,749
29	+1,104	+32,5	+ 2,09	+14,4	−2	−2			
Jul. 9	+1,435	+33,3	+ 3,62	+16,0	−2	−2			
19	+1,769	+33,2	+ 5,29	+17,3	−2	−3	Diei reducto addendum est:		
29	+2,098	+32,3	+ 7,07	+18,1	−2	−3			
Aug. 8	+2,415	+30,9	+ 8,91	+18,4	−2	−4	ante / post	Apr. 20	+ 1 / + 2
18	+2,715	+28,8	+10,75	+18,3	−2	−4			
28	+2,991	+26,3	+12,57	+17,8	−1	−4			
Sept. 7	+3,240	+23,4	+14,30	+16,9	−1	−4			
17	+3,459	+20,3	+15,94	+15,7	0	−4			
27	+3,646	+17,2	+17,44	+14,3	0	−4			
Oct. 7	+3,802	+14,0	+18,79	+12,8	+1	−4			
17	+3,926	+10,8	+19,99	+11,1	+2	−4			
27	+4,017	+ 7,6	+21,01	+ 9,4	+2	−4			
Nov. 6	+4,078	+ 4,6	+21,86	+ 7,6	+3	−4			
16	+4,108	+ 1,6	+22,53	+ 5,8	+4	−3			
26	+4,110	− 1,4	+23,02	+ 4,1	+4	−3			
Dec. 6	+4,081	− 4,2	+23,34	+ 2,3	+5	−3			
16	+4,027	− 6,7	+23,48	+ 0,5	+5	−2			
26	+3,947	− 9,2	+23,44	− 1,3	+5	−2			
36	+3,843	−11,4	+23,22	− 3,0	+6	−2			

In mensa. Jan. et Febr. annorum bisextorum legitur dies insequens.

Tabulae X. Sect. II. *a Ceti.*

1770	Jan. 0	2 50 17,798	+ 3 10 32,27	1780	Jan. 1	2 50 47,061	+ 3 12 54,87
	Apr. 10	17,770	31,59		Apr. 10	47,112	55,08
	Jul. 19	17,734	30,89		Jul. 19	47,170	55,79
	Oct. 27	17,690	30,18		Oct. 27	47,234	56,50
	Dec. 66	17,637	29,45		Dec. 66	47,304	57,21
1771	Jan. 0	2 50 20,774	+ 3 10 44,35	1781	Jan. 0	2 50 50,398	+ 3 13 11,59
	Apr. 10	20,716	43,62		Apr. 10	50,472	12,28
	Jul. 19	20,652	42,89		Jul. 19	50,551	12,94
	Oct. 27	20,581	42,17		Oct. 27	50,633	13,59
	Dec. 66	20,503	41,46		Dec. 66	50,720	14,21
1772	Jan. 1	2 50 23,648	+ 3 10 56,34	1782	Jan. 0	2 50 53,809	+ 3 13 28,61
	Apr. 10	23,566	55,64		Apr. 10	53,898	29,21
	Jul. 19	23,481	54,97		Jul. 19	53,989	29,77
	Oct. 27	23,391	54,33		Oct. 27	54,081	30,28
	Dec. 66	23,297	53,72		Dec. 66	54,175	30,75
1773	Jan. 0	2 50 26,447	+ 3 11 8,56	1783	Jan. 0	2 50 57,262	+ 3 13 45,21
	Apr. 10	26,351	7,98		Apr. 10	57,357	45,65
	Jul. 19	26,254	7,44		Jul. 19	57,450	46,03
	Oct. 27	26,156	6,92		Oct. 27	57,542	46,36
	Dec. 66	26,058	6,44		Dec. 66	57,633	46,63
1774	Jan. 0	2 50 29,209	+ 3 11 21,22	1784	Jan. 1	2 51 0,722	+ 3 14 1,15
	Apr. 10	29,111	20,87		Apr. 10	0,812	1,38
	Jul. 19	29,015	20,57		Jul. 19	0,898	1,55
	Oct. 27	28,921	20,31		Oct. 27	0,980	1,66
	Dec. 66	28,829	20,09		Dec. 66	1,059	1,71
1775	Jan. 0	2 50 31,977	+ 3 11 34,78	1785	Jan. 0	2 51 4,153	+ 3 14 16,31
	Apr. 10	31,888	34,62		Apr. 10	4,228	16,32
	Jul. 19	31,804	34,53		Jul. 19	4,298	16,25
	Oct. 27	31,725	34,51		Oct. 27	4,362	16,11
	Dec. 66	31,651	34,54		Dec. 66	4,420	15,90
1776	Jan. 1	2 50 34,793	+ 3 11 49,15	1786	Jan. 0	2 51 7,521	+ 3 14 30,57
	Apr. 10	34,726	49,24		Apr. 10	7,574	30,36
	Jul. 19	34,663	49,40		Jul. 19	7,619	30,08
	Oct. 27	34,608	49,62		Oct. 27	7,657	29,75
	Dec. 66	34,559	49,90		Dec. 66	7,688	29,37
1777	Jan. 0	2 50 37,692	+ 3 12 4,43	1787	Jan. 0	2 51 10,798	+ 3 14 44,07
	Apr. 10	37,650	4,76		Apr. 10	10,822	43,63
	Jul. 19	37,617	5,14		Jul. 19	10,838	43,14
	Oct. 27	37,592	5,58		Oct. 27	10,845	42,60
	Dec. 66	37,576	6,07		Dec. 66	10,844	42,02
1778	Jan. 0	2 50 40,699	+ 3 12 20,53	1788	Jan. 1	2 51 13,965	+ 3 14 56,82
	Apr. 10	40,689	21,05		Apr. 10	13,957	56,21
	Jul. 19	40,687	21,61		Jul. 19	13,941	55,57
	Oct. 27	40,694	22,21		Oct. 27	13,915	54,90
	Dec. 66	40,710	22,85		Dec. 66	13,881	54,20
1779	Jan. 0	2 50 43,823	+ 3 12 37,26	1789	Jan. 0	2 51 17,013	+ 3 15 9,08
	Apr. 10	43,845	37,92		Apr. 10	16,973	8,32
	Jul. 19	43,875	38,59		Jul. 19	16,926	7,60
	Oct. 27	43,913	39,28		Oct. 27	16,871	6,87
	Dec. 66	43,959	39,99		Dec. 66	16,808	6,14

Tabulae X. Sect. II. *α Ceti.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″		″					h ′ ″	° ′ ″
Jan. 0	+0,779	− 7,3	− 0,64	− 7,3	+3	+1	1770	2 50 16,7837	+ 3 10 29,186
10	+0,693	− 9,9	− 1,35	− 6,8	+3	+1	1771	50 19,9016	10 43,835
20	+0,582	−12,0	− 2,00	− 6,2	+3	+1	1772	50 23,0196	10 58,477
30	+0,453	−13,6	− 2,58	− 5,3	+3	+1	1773	50 26,1377	11 13,118
Febr. 9	+0,310	−14,6	− 3,06	− 4,3	+3	+1	1774	50 29,2559	11 27,756
							1775	50 32,3742	11 42,390
19	+0,161	−14,8	− 3,44	− 3,2	+3	+1	1776	50 35,4926	11 57,021
Mart. 1	+0,014	−14,1	− 3,70	− 1,9	+3	+1	1777	50 38,6111	12 11,649
11	−0,121	−12,5	− 3,82	− 0,4	+2	+1	1778	50 41,7297	12 26,274
21	−0,236	−10,1	− 3,78	+ 1,2	+2	+1	1779	50 44,8484	12 40,896
31	−0,322	− 6,9	− 3,58	+ 3,0	+2	0	1780	50 47,9672	12 55,515
							1781	50 51,0861	13 10,131
Apr. 10	−0,374	− 3,2	− 3,18	+ 5,0	+1	0	1782	50 54,2051	13 24,743
20	−0,385	+ 1,2	− 2,58	+ 7,1	+1	0	1783	50 57,3242	13 39,352
30	−0,351	+ 5,7	− 1,77	+ 9,1	0	−1	1784	51 0,4434	13 53,958
Maj. 10	−0,272	+10,2	− 0,76	+11,2	0	−1	1785	51 3,5626	14 8,561
20	−0,147	+14,7	+ 0,46	+13,1	−1	−1	1786	51 6,6820	14 23,161
							1787	51 9,8015	14 37,757
30	+0,021	+18,8	+ 1,86	+14,8	−1	−2	1788	51 12,9211	14 52,351
Jun. 9	+0,228	+22,4	+ 3,41	+16,2	−1	−2	1789	51 16,0408	15 6,941
19	+0,469	+25,4	+ 5,09	+17,2	−2	−2	1790	51 19,1604	15 21,528
29	+0,736	+27,8	+ 6,85	+17,8	−2	−3			
Jul. 9	+1,025	+29,5	+ 8,64	+17,8	−2	−3			
19	+1,325	+30,3	+10,41	+17,4	−2	−3			
29	+1,631	+30,6	+12,11	+16,4	−2	−3			
Aug. 8	+1,937	+30,0	+13,69	+15,0	−2	−3			
18	+2,231	+28,9	+15,10	+13,2	−2	−3			
28	+2,514	+27,4	+16,32	+11,0	−2	−3			
Sept. 7	+2,778	+25,4	+17,29	+ 8,5	−2	−3			
17	+3,021	+23,1	+18,02	+ 6,0	−1	−3			
27	+3,240	+20,6	+18,48	+ 3,4	−1	−3			
Oct. 7	+3,433	+17,9	+18,69	+ 0,9	−1	−3			
17	+3,598	+15,1	+18,65	− 1,4	0	−3			
27	+3,735	+12,3	+18,41	− 3,4	0	−3			
Nov. 6	+3,843	+ 9,4	+17,97	− 5,1	+1	−3			
16	+3,922	+ 6,5	+17,40	− 6,3	+2	−3			
26	+3,972	+ 3,5	+16,72	− 7,1	+2	−3			
Dec. 6	+3,991	+ 0,4	+15,98	− 7,6	+3	−2			
16	+3,980	− 2,7	+15,21	− 7,7	+3	−2			
26	+3,938	− 5,6	+14,44	− 7,6	+3	−2			
36	+3,869	− 8,8	+13,70	− 7,2	+4	−2			

Diei reducto addendum est:

ante } Maj. 5 { + 1
post } { + 2

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *α Tauri.*

1770	Jan. 0	4 22 45,914	+ 16 1 39,01	1780	Jan. 1	4 23 18,019	+ 16 3 1,00
	Apr. 10	45,888	38,21		Apr. 10	18,072	1,77
	Jul. 19	45,852	37,41		Jul. 19	18,132	2,51
	Oct. 27	45,807	36,62		Oct. 27	18,199	3,21
	Dec. 66	45,753	35,84		Dec. 66	18,274	3,89
1771	Jan. 0	4 22 49,196	+ 16 1 44,18	1781	Jan. 0	4 23 21,673	+ 16 3 11,70
	Apr. 10	49,136	43,42		Apr. 10	21,752	12,35
	Jul. 19	49,069	42,69		Jul. 19	21,835	12,96
	Oct. 27	48,995	41,99		Oct. 27	21,924	13,51
	Dec. 66	48,911	41,33		Dec. 66	22,017	14,02
1772	Jan. 1	4 22 52,363	+ 16 1 49,62	1782	Jan. 0	4 23 25,411	+ 16 3 21,89
	Apr. 10	52,276	48,99		Apr. 10	25,507	22,36
	Jul. 19	52,184	48,41		Jul. 19	25,605	22,77
	Oct. 27	52,087	47,88		Oct. 27	25,705	23,11
	Dec. 66	51,986	47,41		Dec. 66	25,808	23,40
1773	Jan. 0	4 22 55,445	+ 16 1 55,63	1783	Jan. 0	4 23 29,199	+ 16 3 31,34
	Apr. 10	55,341	55,21		Apr. 10	29,302	31,58
	Jul. 19	55,235	54,85		Jul. 19	29,405	31,75
	Oct. 27	55,128	54,56		Oct. 27	29,507	31,85
	Dec. 66	55,020	54,34		Dec. 66	29,608	31,88
1774	Jan. 0	4 22 58,480	+ 16 2 2,48	1784	Jan. 1	4 23 32,999	+ 16 3 39,90
	Apr. 10	58,372	2,31		Apr. 10	33,099	39,89
	Jul. 19	58,266	2,21		Jul. 19	33,195	39,80
	Oct. 27	58,161	2,19		Oct. 27	33,287	39,65
	Dec. 66	58,059	2,25		Dec. 66	33,376	39,42
1775	Jan. 0	4 23 1,517	+ 16 2 10,29	1785	Jan. 0	4 23 36,772	+ 16 3 47,52
	Apr. 10	1,417	10,40		Apr. 10	36,858	47,25
	Jul. 19	1,323	10,58		Jul. 19	36,937	46,92
	Oct. 27	1,234	10,83		Oct. 27	37,008	46,52
	Dec. 66	1,150	11,16		Dec. 66	37,073	46,06
1776	Jan. 1	4 23 4,602	+ 16 2 19,11	1786	Jan. 0	4 23 40,480	+ 16 3 54,24
	Apr. 10	4,523	19,48		Apr. 10	40,542	53,74
	Jul. 19	4,451	19,91		Jul. 19	40,596	53,19
	Oct. 27	4,388	20,41		Oct. 27	40,641	52,59
	Dec. 66	4,332	20,96		Dec. 66	40,678	51,94
1777	Jan. 0	4 23 7,774	+ 16 2 28,83	1787	Jan. 0	4 23 44,092	+ 16 4 0,17
	Apr. 10	7,724	29,42		Apr. 10	44,123	3 59,49
	Jul. 19	7,683	30,05		Jul. 19	44,144	58,78
	Oct. 27	7,652	30,72		Oct. 27	44,156	58,05
	Dec. 66	7,630	31,44		Dec. 66	44,158	57,28
1778	Jan. 0	4 23 11,061	+ 16 2 39,25	1788	Jan. 1	4 23 47,584	+ 16 4 5,54
	Apr. 10	11,045	39,99		Apr. 10	47,579	4,76
	Jul. 19	11,040	40,74		Jul. 19	47,565	3,97
	Oct. 27	11,044	41,51		Oct. 27	47,541	3,17
	Dec. 66	11,058	42,30		Dec. 66	47,508	2,37
1779	Jan. 0	4 23 14,477	+ 16 2 50,08	1789	Jan. 0	4 23 50,946	+ 16 4 10,64
	Apr. 10	14,497	50,87		Apr. 10	50,906	9,84
	Jul. 19	14,526	51,66		Jul. 19	50,858	9,06
	Oct. 27	14,564	52,44		Oct. 27	50,800	8,30
	Dec. 66	14,611	53,21		Dec. 66	50,734	7,55

Tabulae X. Sect. II. *α Tauri*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″	″	″		h ′ ″	° ′ ″
Jan. 0	+1,206	— 0,6	+ 1,32	— 2.5	+2	—1	1770	4 22 44.7909	+16 1 35.601
10	+1,180	— 4,7	+ 1.07	— 2.6	+2	—1	1771	22 48.2148	1 46.634
20	+1,113	— 8,5	+ 0.81	— 2.6	+3	—1	1772	22 51.6388	1 54.763
30	+1,011	—11,6	+ 0.56	— 2.6	+3	0	1773	22 55.0629	2 2.837
Febr. 9	+0,878	—14,5	+ 0,30	— 2,7	+3	0	1774	22 58.4871	2 10.907
							1775	23 1.9113	2 18.972
19	+0,721	—16,3	+ 0,03	— 2.8	+3	0	1776	23 5.3357	2 27.033
Mart. 1	+0,552	—17,2	— 0.25	— 2.8	+4	0	1777	23 8.7602	2 35.089
11	+0,378	—17,0	— 0.53	— 2.7	+3	0	1778	23 12.1848	2 43.140
21	+0,212	—15,8	— 0,79	— 2.5	+3	0	1779	23 15.6095	2 51.187
31	+0,063	—13,6	— 1,02	— 2,1	+3	0	1780	23 19.0344	2 59.229
							1781	23 22.4593	3 7.267
Apr. 10	—0,059	—10,4	— 1,20	— 1.5	+3	0	1782	23 25.8844	3 15.300
20	—0,145	— 6,6	— 1,31	— 0,6	+2	0	1783	23 29.3096	3 23.328
30	—0,191	— 2.5	— 1,31	+ 0.6	+2	0	1784	23 32.7349	3 31.352
Maj. 10	—0,191	+ 2,4	— 1,19	+ 1.9	+1	0	1785	23 36.1602	3 39.371
20	—0,144	+ 7,1	— 0,93	+ 3,3	+1	0	1786	23 39.5857	3 47.386
							1787	23 43.0113	3 55.396
30	—0,049	+11,7	— 0,53	+ 4.8	0	0	1788	23 46.4370	4 3,402
Jun. 9	+0,090	+16,0	+ 0,02	+ 6.3	0	—1	1789	23 49.8628	4 11,405
19	+0,271	+19,9	+ 0,72	+ 7.6	—1	—1	1790	23 53.2888	4 19,399
29	+0,488	+23,2	+ 1.54	+ 8.7	—1	—1			
Jul. 9	+0,735	+26,0	+ 2,46	+ 9,6	—2	—2			
19	+1,008	+28,1	+ 3,46	+10.2	—2	—2			
29	+1,297	+29,6	+ 4,50	+10.4	—2	—3			
Aug. 8	+1,599	+30.5	+ 5,54	+10.3	—2	—3			
18	+1,906	+30,8	+ 6,55	+ 9.8	—2	—3			
28	+2,214	+30,6	+ 7,49	+ 8,9	—2	—4			
Sept. 7	+2,518	+30,0	+ 8,32	+ 7,7	—2	—4			
17	+2,813	+29,0	+ 9,03	+ 6,4	—2	—4			
27	+3,097	+27,7	+ 9,59	+ 4,9	—2	—5			
Oct. 7	+3,366	+26,1	+10,01	+ 3,5	—2	—5			
17	+3,618	+24,2	+10,28	+ 2,0	—1	—5			
27	+3,849	+22,0	+10,41	+ 0,8	— 1	—5			
Nov. 6	+4,057	+19,5	+10,43	— 0,3	0	—5			
16	+4,238	+16,6	+10,35	— 1,2	0	—5			
26	+4,389	+13,4	+10,19	— 1,8	+1	—6			
Dec. 6	+4,506	+ 9,9	+ 9,99	— 2,2	+2	—6			
16	+4,586	+ 6,1	+ 9,76	— 2,4	+2	—6			
26	+4,627	+ 2,0	+ 9,51	— 2,5	+3	—5			
36	+4,626	— 2,1	+ 9,26	— 2,5	+3	—5			

Diei reducto addendum est:

ante / post Maj. 28 { + 1 / + 2

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *α Aurigae.*

1770	Jan. 0	4 59 45,496	+45 44 16,65		1780	Jan. 1	5 0 26,745	+45 45 7.85	
	Apr. 10	45,468	15,84			Apr. 10	26,807	8,60	
	Jul. 19	45,428	15,04			Jul. 19	26,879	9,31	
	Oct. 27	45,376	14,26			Oct. 27	26,961	9,98	
	Dec. 66	45,312	13,49			Dec. 66	27,053	10,62	
1771	Jan. 0	4 59 49,739	+45 44 18,53		1781	Jan. 0	5 0 31,427	+45 45 15,14	
	Apr. 10	49,667	17,79			Apr. 10	31,525	15,74	
	Jul. 19	49,585	17,09			Jul. 19	31,629	16,29	
	Oct. 27	49,493	16,43			Oct. 27	31,740	16,78	
	Dec. 66	49,390	15,81			Dec. 66	31,857	17,22	
1772	Jan. 1	4 59 53,850	+45 44 20,79		1782	Jan. 0	5 0 36,223	+45 45 21,80	
	Apr. 10	53,721	20,22			Apr. 10	36,345	22.20	
	Jul. 19	53,606	19,70			Jul. 19	36,470	22,53	
	Oct. 27	53,484	19,23			Oct. 27	36,598	22,79	
	Dec. 66	53,356	18,85			Dec. 66	36,729	22,98	
1773	Jan. 0	4 59 57,804	+45 44 23,75		1783	Jan. 0	5 0 41,091	+45 45 27,64	
	Apr. 10	57,672	23,41			Apr. 10	41,224	27,79	
	Jul. 19	57,537	23,14			Jul. 19	41,356	27,86	
	Oct. 27	57,400	22,94			Oct. 27	41,488	27,87	
	Dec. 66	57,260	22,82			Dec. 66	41,620	27,80	
1774	Jan. 0	5 0 1,712	+45 44 27,62		1784	Jan. 1	5 0 45,982	+45 45 32,53	
	Apr. 10	1,572	27,55			Apr. 10	46,112	32,42	
	Jul. 19	1,434	27,56			Jul. 19	46,238	32,23	
	Oct. 27	1,298	27,65			Oct. 27	46,361	31,97	
	Dec. 66	1,165	27,81			Dec. 66	46,479	31,64	
1775	Jan. 0	5 0 5,614	+45 44 32,51		1785	Jan. 0	5 0 50,845	+45 45 36,46	
	Apr. 10	5,483	32,73			Apr. 10	50,958	36,09	
	Jul. 19	5,358	33,02			Jul. 19	51,064	35,66	
	Oct. 27	5,240	33,37			Oct. 27	51,162	35.17	
	Dec. 66	5,128	33,80			Dec. 66	51,253	34,62	
1776	Jan. 1	5 0 9,569	+45 44 38,41		1786	Jan. 0	5 0 55,630	+45 45 39,50	
	Apr. 10	9,463	38,88			Apr. 10	55,715	38,91	
	Jul. 19	9,366	39,41			Jul. 19	55,789	38,28	
	Oct. 27	9,279	39,99			Oct. 27	55,853	37.61	
	Dec. 66	9,201	40,63			Dec. 66	55,906	36,89	
1777	Jan. 0	5 0 13,631	+45 44 45,16		1787	Jan. 0	5 1 0,296	+45 45 41,82	
	Apr. 10	13,561	45,83			Apr. 10	0,342	41,08	
	Jul. 19	13,503	46,54			Jul. 19	0,375	40,31	
	Oct. 27	13,457	47,28			Oct. 27	0,397	39,52	
	Dec. 66	13,423	48,05			Dec. 66	0,406	38,71	
1778	Jan. 0	5 0 17,838	+45 44 52,54		1788	Jan. 1	5 1 4,811	+45 45 43.67	
	Apr. 10	17,812	53,32			Apr. 10	4,811	42,85	
	Jul. 19	17,798	54,12			Jul. 19	4,799	42,04	
	Oct. 27	17,797	54,93			Oct. 27	4,775	41,23	
	Dec. 66	17,809	55,75			Dec. 66	4,738	40,42	
1779	Jan. 0	5 0 22,209	+45 45 0,21		1789	Jan. 0	5 1 9,159	+45 45 45.36	
	Apr. 10	22,229	1,02			Apr. 10	9,113	44,56	
	Jul. 19	22,260	1,82			Jul. 19	9,056	43,79	
	Oct. 27	22,304	2,61			Oct. 27	8,987	43,05	
	Dec. 66	22,359	3,38			Dec. 66	8,906	42,33	

Tabulae X. Sect. II. *α Aurigae.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″	″			h ′ ″	° ′ ″
Jan. 0	+1,811	+ 2,4	+4,37	+13,9	+3	— 4	1770	4 59 44,0346	+45 44 17,360
10	+1,804	— 3,7	+5,71	+12,7	+4	— 4	1771	59 48,4385	44 22,148
20	+1,737	— 9,6	+6,91	+11,0	+5	— 4	1772	59 52,8426	44 26,929
30	+1,613	—15,9	+7,91	+ 8,9	+5	— 3	1773	59 57,2469	44 31,704
Febr. 9	+1,440	—19,3	+8,68	+ 6,3	+6	— 3	1774	5 0 1,6514	44 36,473
							1775	0 6,0560	44 41,236
19	+1,228	—22,5	+9,16	+ 3,4	+6	— 2	1776	0 10,4608	44 45,992
Mart. 1	+0,990	—24,5	+9,35	+ 0,4	+6	— 1	1777	0 14,8658	44 50,743
11	+0,739	—25,0	+9,24	— 2,7	+6	0	1778	0 19,2710	44 55,487
21	+0,490	—24,1	+8,82	— 5,6	+6	0	1779	0 23,6764	45 0,224
31	+0,258	—21,7	+8,13	— 8,2	+6	+ 1	1780	0 28,0820	45 4,956
							1781	0 32,4878	45 9,681
Apr. 10	+0,056	—18,1	+7,19	—10,4	+5	+ 1	1782	0 36,8937	45 14,401
20	—0,104	—13,5	+6,06	—12,0	+4	+ 2	1783	0 41,2998	45 19,114
30	—0,213	— 8,0	+4,79	—13,2	+4	+ 2	1784	0 45,7061	45 23,820
Maj. 10	—0,264	— 2,1	+3,43	—13,7	+3	+ 2	1785	0 50,1126	45 28,521
20	—0,254	+ 4,2	+2,05	—13,7	+2	+ 2	1786	0 54,5193	45 33,215
							1787	0 58,9262	45 37,903
30	—0,181	+10,4	+0,70	—13,1	+1	+ 2	1788	1 3,3332	45 42,585
Jun. 9	—0,047	+16,3	—0,57	—12,2	0	+ 2	1789	1 7,7404	45 47,261
19	+0,144	+21,7	—1,73	—10,7	—1	+ 2	1790	1 12,1478	45 51,930
29	+0,387	+26,6	—2,71	— 9,0	—2	+ 1			
Jul. 9	+0,676	+30,9	—3,53	— 7,2	—2	0			
19	+1,004	+34,3	—4,15	— 5,2	—3	0			
29	+1,362	+37,0	—4,56	— 3,1	—3	— 1			
Aug. 8	+1,744	+39,0	—4,77	— 1,1	—4	— 2			
18	+2,142	+40,3	—4,78	+ 0,9	—4	— 3			
28	+2,549	+40,9	—4,59	+ 2,8	—4	— 4			
Sept. 7	+2,959	+41,0	—4,23	+ 4,5	—4	— 5			
17	+3,368	+40,5	—3,70	+ 6,1	—4	— 5			
27	+3,769	+39,6	—3,01	+ 7,6	—4	— 6			
Oct. 7	+4,159	+38,2	—2,18	+ 9,0	—3	— 7			
17	+4,532	+36,2	—1,21	+10,3	—3	— 8			
27	+4,882	+33,7	—0,12	+11,6	—2	— 9			
Nov. 6	+5,206	+30,7	+1,10	+12,7	—1	— 9			
16	+5,495	+26,9	+2,41	+13,6	0	—10			
26	+5,744	+22,6	+3,81	+14,3	+1	—10			
Dec. 6	+5,947	+17,7	+5,26	+14,7	+2	—11			
16	+6,097	+12,1	+6,74	+14,8	+3	—11			
26	+6,189	+ 6,2	+8,21	+14,4	+4	—11			
36	+6,221	+ 0,1	+9,62	+13,5	+5	—10			

Diei reducto addendum est:

ante } Jun. 6 { + 1
post } { + 2

In mensa. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *β Orionis.*

1770	Jan. 0	5	3 30,500	— 8	29	3,26	1780 Jan. 1	5	3 57,528	— 8	28	10,97
	Apr. 10		30,471			4,08	Apr. 10		57,578			10,23
	Jul. 19		30,434			4,87	Jul. 19		57,634			9.52
	Oct. 27		30.390			5,65	Oct. 27		57,696			8.85
	Dec. 66		30,338			6,41	Dec. 66		57,764			8,22
1771	Jan. 0	5	3 33,232	— 8	29	1,29	1781 Jan. 0	5	4 0,617	— 8	28	3.60
	Apr. 10		33,176			2,03	Apr. 10		0,688			3.00
	Jul. 19		33,113			2,73	Jul. 19		0,762			2,46
	Oct. 27		33,045			3,38	Oct. 27		0,840			1.97
	Dec. 66		32,971			3,99	Dec. 66		0,921			1,54
1772	Jan. 1	5	3 35,872	— 8	28	58,93	1782 Jan. 0	5	4 3,771	— 8	27	56.36
	Apr. 10		35,795			59,50	Apr. 10		3,854			56.47
	Jul. 19		35,714		29	0,01	Jul. 19		3,938			56,15
	Oct. 27		35,625			0,46	Oct. 27		4,024			55.90
	Dec. 66		35,542			0,85	Dec. 66		4,111			55,71
1773	Jan. 0	5	3 38,448	— 8	28	55,87	1783 Jan. 0	5	4 6,958	— 8	27	50,95
	Apr. 10		38,359			56,20	Apr. 10		7,045			50.81
	Jul. 19		38,269			56,47	Jul. 19		7,130			50,74
	Oct. 27		38,179			56,66	Oct. 27		7,215			50,75
	Dec. 66		38,088			56,79	Dec. 66		7,298			50,89
1774	Jan. 0	5	3 40,995	— 8	28	51,91	1784 Jan. 1	5	4 10,147	— 8	27	45,98
	Apr. 10		40,904			51,95	Apr. 10		10.228			46,11
	Jul. 19		40,816			51,92	Jul. 19		10,306			46,31
	Oct. 27		40,731			51,82	Oct. 27		10.380			46,57
	Dec. 66		40,648			51,65	Dec. 66		10,450			46,91
1775	Jan. 0	5	3 43,552	— 8	28	46,87	1785 Jan. 0	5	4 13,304	— 8	27	41.98
	Apr. 10		43,471			46,64	Apr. 10		13,371			42,36
	Jul. 19		43,396			46,34	Jul. 19		13,433			42,80
	Oct. 27		43,325			45,98	Oct. 27		13,489			43,30
	Dec. 66		43,260			45,54	Dec. 66		13,539			43,86
1776	Jan. 1	5	3 46,157	— 8	28	40,85	1786 Jan. 0	5	4 16,400	— 8	27	38,86
	Apr. 10		46,096			40.36	Apr. 10		16,446			39,45
	Jul. 19		46,042			39,82	Jul. 19		16,484			40,09
	Oct. 27		45,996			39,23	Oct. 27		16,515			40.77
	Dec. 66		45,958			38,59	Dec. 66		16,539			41.50
1777	Jan. 0	5	3 48,847	— 8	28	33,97	1787 Jan. 0	5	4 19,409	— 8	27	36,46
	Apr. 10		48,810			33,29	Apr. 10		19,428			37,30
	Jul. 19		48.781			32,58	Jul. 19		19,438			37,97
	Oct. 27		48.762			31,84	Oct. 27		19,441			38,76
	Dec. 66		48,752			31,06	Dec. 66		19,435			39.57
1778	Jan. 0	5	3 51,631	— 8	28	26,49	1788 Jan. 1	5	4 22,315	— 8	27	34,51
	Apr. 10		51,625			25,70	Apr. 10		22,303			35,33
	Jul. 19		51,628			24,90	Jul. 19		22,284			36,14
	Oct. 27		51,639			24,09	Oct. 27		22,257			36,95
	Dec. 66		51,658			23,27	Dec. 66		22,222			37,76
1779	Jan. 0	5	3 54,527	— 8	28	18,71	1789 Jan. 0	5	4 25.111	— 8	27	32,70
	Apr. 10		54.551			17,90	Apr. 10		25,071			33,50
	Jul. 19		54.583			17,10	Jul. 19		25,024			34,27
	Oct. 27		54.621			16,32	Oct. 27		24.969			35,01
	Dec. 66		54,667			15,55	Dec. 66		24.908			35,72

Tabulae X. Sect. II. *β Orionis.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″		″					h ′ ″	° ′ ″
Jan. 0	+1,276	+ 1,3	— 2,95	—15,9	+1	+1	1770	5 3 29,5774	— 8 29 2,433
10	+1,267	— 3,0	— 4,48	—14,4	+2	+1	1771	3 32,4536	28 57,568
20	+1,217	— 7,0	— 5,83	—12,4	+2	+1	1772	3 35,3298	28 52,707
30	+1,128	—10,7	— 6,96	—10,2	+2	0	1773	3 38,2061	28 47,850
Febr. 9	+1,004	—13,8	— 7,87	— 7,9	+3	0	1774	3 41,0824	28 42,997
							1775	3 43,9587	28 38,149
19	+0,853	—16,1	— 8,53	— 5,4	+3	0	1776	3 46,8351	28 33,305
Mart. 1	+0,683	—17,5	— 8,95	— 2,9	+3	0	1777	3 49,7115	28 28,465
11	+0,503	—18,0	— 9,11	— 0,4	+3	0	1778	3 52,5880	28 23,629
21	+0,323	—17,5	— 9,03	+ 2,1	+3	—1	1779	3 55,4645	28 18,797
31	+0,153	—16,0	— 8,69	+ 4,6	+3	—1	1780	3 58,3411	28 13,968
							1781	4 1,2177	28 9,144
Apr. 10	+0,003	—13,6	— 8,11	+ 7,0	+2	—1	1782	4 4,0943	28 4,325
20	—0,119	—10,5	— 7,29	+ 9,4	+2	—1	1783	4 6,9710	27 59,509
30	—0,207	— 6,8	— 6,24	+11,6	+2	—1	1784	4 9,8477	27 54,699
Maj. 10	—0,255	— 2,7	— 4,97	+13,7	+1	—2	1785	4 12,7246	27 49,891
20	—0,260	+ 1,7	— 3,50	+15,6	+1	—2	1786	4 15,6014	27 45,088
							1787	4 18,4783	27 40,289
30	—0,222	+ 6,0	— 1,86	+17,2	+1	—2	1788	4 21,3552	27 35,494
Jun. 9	—0,140	+10,2	— 0,07	+18,4	0	—2	1789	4 24,2322	27 30,703
19	—0,018	+14,2	+ 1,82	+19,2	0	—3	1790	4 27,1091	27 25,915
29	+0,143	+17,8	+ 3,76	+19,5	—1	—3			
Jul. 9	+0,337	+20,9	+ 5,71	+19,2	—1	—3			
19	+0,560	+23,4	+ 7,60	+18,4	—1	—3			
29	+0,805	+25,5	+ 9,38	+17,0	—2	—3			
Aug. 8	+1,069	+27,1	+10,99	+14,9	—2	—3			
18	+1,346	+28,0	+12,36	+12,4	—2	—3			
28	+1,628	+28,5	+13,46	+ 9,4	—2	—3			
Sept. 7	+1,915	+28,6	+14,23	+ 5,9	—2	—3			
17	+2,200	+28,3	+14,64	+ 2,3	—2	—3			
27	+2,480	+27,6	+14,68	— 1,5	—2	—3			
Oct. 7	+2,751	+26,5	+14,35	— 5,2	—2	—3			
17	+3,009	+25,0	+13,65	— 8,6	—2	—3			
27	+3,251	+23,2	+12,64	—11,6	—1	—3			
Nov. 6	+3,473	+21,0	+11,34	—14,1	—1	—3			
16	+3,671	+18,4	+ 9,82	—16,0	—1	—3			
26	+3,840	+15,3	+ 8,15	—17,2	0	—3			
Dec. 6	+3,977	+11,8	+ 6,39	—17,7	0	—3			
16	+4,076	+ 8,0	+ 4,62	—17,5	+1	—3			
26	+4,136	+ 3,9	+ 2,89	—16,7	+1	—3			
36	+4,154	— 0,3	+ 1,28	—15,4	+2	—3			

Diei reducto addendum est:

ante } Jun. 7 { + 1
post } { + 2

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *β Tauri.*

1770	Jan. 0	5h 11′ 47″,286	+28° 23′ 26″,97	1780	Jan. 1	5h 12′ 22″,747	+28° 24′ 10″,83
	Apr. 10	47,256	26,16		Apr. 10	22,806	11,57
	Jul. 19	47,216	25,36		Jul. 19	22,872	12,27
	Oct. 27	47,166	24,58		Oct. 27	22,947	12,93
	Dec. 66	47,105	23,83		Dec. 66	23,030	13,55
1771	Jan. 0	5 11 50,907	+28 23 28,06	1781	Jan. 0	5 12 26,783	+28 24 17,28
	Apr. 10	50,840	27,33		Apr. 10	26,871	17,86
	Jul. 19	50,765	26,64		Jul. 19	26,964	18,39
	Oct. 27	50,681	26,00		Oct. 27	27,062	18,86
	Dec. 66	50,589	25,40		Dec. 66	27,166	19,27
1772	Jan. 1	5 11 54,402	+28 23 29,57	1782	Jan. 0	5 12 30,912	+28 24 23,06
	Apr. 10	54,305	29,01		Apr. 10	31,019	23,43
	Jul. 19	54,203	28,52		Jul. 19	31,128	23,73
	Oct. 27	54,096	28,09		Oct. 27	31,239	23,96
	Dec. 66	53,984	27,73		Dec. 66	31,352	24,13
1773	Jan. 0	5 11 57,803	+28 23 31,81	1783	Jan. 0	5 12 35,096	+28 24 28,00
	Apr. 10	57,688	31,49		Apr. 10	35,210	28,11
	Jul. 19	57,571	31,25		Jul. 19	35,323	28,16
	Oct. 27	57,453	31,09		Oct. 27	35,435	28,13
	Dec. 66	57,333	31,00		Dec. 66	35,546	28,03
1774	Jan. 0	5 12 1,155	+28 23 34,99	1784	Jan. 1	5 12 39,291	+28 24 31,98
	Apr. 10	1,036	34,95		Apr. 10	39,401	31,83
	Jul. 19	0,918	34,99		Jul. 19	39,506	31,61
	Oct. 27	0,803	35,11		Oct. 27	39,608	31,32
	Dec. 66	0,691	35,31		Dec. 66	39,705	30,96
1775	Jan. 0	5 12 4,509	+28 23 39,19	1785	Jan. 0	5 12 43,455	+28 24 35,00
	Apr. 10	4,399	39,44		Apr. 10	43,549	34,60
	Jul. 19	4,296	39,76		Jul. 19	43,636	34,14
	Oct. 27	4,198	40,15		Oct. 27	43,716	33,62
	Dec. 66	4,106	40,61		Dec. 66	43,788	33,04
1776	Jan. 1	5 12 7,917	+28 23 44,40	1786	Jan. 0	5 12 47,547	+28 24 37,14
	Apr. 10	7,830	44,90		Apr. 10	47,615	36,52
	Jul. 19	7,752	45,46		Jul. 19	47,673	35,87
	Oct. 27	7,683	46,07		Oct. 27	47,722	35,17
	Dec. 66	7,622	46,74		Dec. 66	47,761	34,44
1777	Jan. 0	5 12 11,423	+28 23 50,46	1787	Jan. 0	5 12 51,531	+28 24 38,53
	Apr. 10	11,369	51,15		Apr. 10	51,564	37,82
	Jul. 19	11,325	51,87		Jul. 19	51,587	37,04
	Oct. 27	11,291	52,63		Oct. 27	51,599	36,24
	Dec. 66	11,268	53,42		Dec. 66	51,600	35,42
1778	Jan. 0	5 12 15,056	+28 23 57,09	1788	Jan. 1	5 12 55,383	+28 24 39,59
	Apr. 10	15,040	57,89		Apr. 10	55,377	38,76
	Jul. 19	15,035	58,70		Jul. 19	55,361	37,93
	Oct. 27	15,041	59,52		Oct. 27	55,334	37,12
	Dec. 66	15,057	24 0,34		Dec. 66	55,296	36,32
1779	Jan. 0	5 12 18,832	+28 24 4,00	1789	Jan. 0	5 12 59,092	+28 24 40,47
	Apr. 10	18,855	4,81		Apr. 10	59,047	39,68
	Jul. 19	18,888	5,61		Jul. 19	58,992	38,92
	Oct. 27	18,931	6,39		Oct. 27	58,928	38,19
	Dec. 66	18,983	7,15		Dec. 66	58,854	37,48

Tabulae X. Sect. II. *β Tauri.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″		″					h ′ ″	° ′ ″
Jan. 0	+1,464	+ 4,2	+ 1,71	+ 4,2	+1	−2	1770	5 11 46,0488	+28 23 28,041
10	+1,481	− 0,8	+ 2,12	+ 4,0	+2	−2	1771	11 49,8297	23 32,020
20	+1,449	− 5,6	+ 2,51	+ 3,6	+3	−2	1772	11 53,6106	23 35,994
30	+1,369	−10,1	+ 2,84	+ 3,0	+3	−2	1773	11 57,3916	23 39,963
Febr. 9	+1,248	−13,8	+ 3,10	+ 2,1	+4	−2	1774	12 1,1727	23 43,926
							1775	12 4,9540	23 47,884
19	+1,093	−16,8	+ 3,25	+ 0,9	+4	−1	1776	12 8,7353	23 51,836
Mart. 1	+0,913	−18,7	+ 3,28	− 0,3	+4	−1	1777	12 12,5167	23 55,783
11	+0,720	−19,4	+ 3,19	− 1,6	+4	−1	1778	12 16,2982	23 59,725
21	+0,526	−18,9	+ 2,97	− 2,7	+4	0	1779	12 20,0798	24 3,661
31	+0,343	−17,2	+ 2,65	− 3,7	+4	0	1780	12 23,8614	24 7,592
							1781	12 27,6431	24 11,518
Apr. 10	+0,182	−14,6	+ 2,23	− 4,5	+4	0	1782	12 31,4249	24 15,438
20	+0,052	−11,0	+ 1,75	− 5,0	+3	+1	1783	12 35,2068	24 19,353
30	−0,038	− 6,8	+ 1,24	− 5,1	+3	+1	1784	12 38,9888	24 23,262
Maj. 10	−0,083	− 2,1	+ 0,74	− 4,9	+2	+1	1785	12 42,7710	24 27,166
20	−0,079	+ 2,9	+ 0,27	− 4,4	+2	+1	1786	12 46,5532	24 31,065
							1787	12 50,3355	24 34,958
30	−0,025	+ 7,9	− 0,14	− 3,6	+1	+1	1788	12 54,1179	24 38,846
Jun. 9	+0,079	+12,7	− 0,45	− 2,6	0	0	1789	12 57,9004	24 42,728
19	+0,228	+17,1	− 0,66	− 1,5	0	0	1790	13 1,6828	24 46,604
29	+0,420	+21,1	− 0,75	− 0,4	−1	0			
Jul. 9	+0,649	+24,5	− 0,73	+ 0,8	−1	−1			
19	+0,910	+27,3	− 0,59	+ 1,9	−2	−1			
29	+1,195	+29,5	− 0,36	+ 2,7	−2	−2			
Aug. 8	+1,500	+31,2	− 0,05	+ 3,4	−3	−2			
18	+1,819	+32,3	+ 0,32	+ 3,9	−3	−3			
28	+2,146	+32,9	+ 0,73	+ 4,2	−3	−3			
Sept. 7	+2,477	+33,1	+ 1,16	+ 4,3	−3	−4			
17	+2,808	+32,9	+ 1,58	+ 4,2	−3	−4			
27	+3,134	+32,3	+ 2,00	+ 4,1	−3	−5			
Oct. 7	+3,453	+31,3	+ 2,39	+ 3,8	−3	−6			
17	+3,760	+30,0	+ 2,76	+ 3,6	−2	−6			
27	+4,052	+28,2	+ 3,11	+ 3,5	−2	−6			
Nov. 6	+4,324	+26,0	+ 3,46	+ 3,5	−2	−7			
16	+4,572	+23,3	+ 3,81	+ 3,6	−1	−7			
26	+4,789	+20,0	+ 4,17	+ 3,7	0	−7			
Dec. 6	+4,972	+16,2	+ 4,55	+ 3,9	0	−8			
16	+5,113	+11,9	+ 4,95	+ 4,1	+1	−8			
26	+5,210	+ 7,4	+ 5,37	+ 4,2	+2	−8			
36	+5,258	+ 2,3	+ 5,79	+ 4,1	+3	−8			

Diei reducto addendum est:

ante } Jun. 9 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *a Orionis.*

1770	Jan. 0	5 42 44,566	+ 7 20 39,42	1780	Jan. 1	5 43 15,024	+ 7 21 0,29
	Apr. 10	44,535	38,61		Apr. 10	15,079	1,00
	Jul. 19	44,496	37,83		Jul. 19	15,140	1,66
	Oct. 27	44,449	37,08		Oct. 27	15,208	2,27
	Dec. 66	44,393	36,36		Dec. 66	15,282	2,84
1771	Jan. 0	5 42 47,656	+ 7 20 38,10	1781	Jan. 0	5 43 18,500	+ 7 21 4,11
	Apr. 10	47,594	37,41		Apr. 10	18,578	4,64
	Jul. 19	47,526	36,77		Jul. 19	18,660	5,11
	Oct. 27	47,451	36,18		Oct. 27	18,747	5,52
	Dec. 66	47,370	35,64		Dec. 66	18,838	5,86
1772	Jan. 1	5 42 50,641	+ 7 20 37,31	1782	Jan. 0	5 43 22,051	+ 7 21 7,20
	Apr. 10	50,556	36,81		Apr. 10	22,144	7,50
	Jul. 19	50,466	36,39		Jul. 19	22,238	7,73
	Oct. 27	50,372	36,03		Oct. 27	22,334	7,89
	Dec. 66	50,274	35,74		Dec. 66	22,432	7,97
1773	Jan. 0	5 42 53,551	+ 7 20 37,82	1783	Jan. 0	5 43 25,643	+ 7 21 9,39
	Apr. 10	53,451	37,08		Apr. 10	25,741	9,48
	Jul. 19	53,350	36,93		Jul. 19	25,837	9,39
	Oct. 27	53,248	36,85		Oct. 27	25,933	9,23
	Dec. 66	53,146	36,84		Dec. 66	26,027	9,10
1774	Jan. 0	5 42 56,424	+ 7 20 38,32	1784	Jan. 1	5 43 29,240	+ 7 21 10,61
	Apr. 10	56,322	38,37		Apr. 10	29,332	10,38
	Jul. 19	56,222	38,50		Jul. 19	29,421	10,08
	Oct. 27	56,125	38,71		Oct. 27	29,506	9,71
	Dec. 66	56,031	38,99		Dec. 66	29,587	9,28
1775	Jan. 0	5 42 59,305	+ 7 20 40,37	1785	Jan. 0	5 43 32,804	+ 7 21 10,87
	Apr. 10	59,213	40,70		Apr. 10	32,882	10,40
	Jul. 19	59,127	41,10		Jul. 19	32,953	9,87
	Oct. 27	59,046	41,57		Oct. 27	33,018	9,29
	Dec. 66	58,971	42,10		Dec. 66	33,076	8,65
1776	Jan. 1	5 43 2,239	+ 7 20 43,39	1786	Jan. 0	5 43 36,302	+ 7 21 10,30
	Apr. 10	2,168	43,96		Apr. 10	36,356	9,53
	Jul. 19	2,105	44,58		Jul. 19	36,401	8,92
	Oct. 27	2,049	45,25		Oct. 27	36,439	8,18
	Dec. 66	2,001	45,97		Dec. 66	36,468	7,30
1777	Jan. 0	5 43 5,260	+ 7 20 47,20	1787	Jan. 0	5 43 39,704	+ 7 21 9,09
	Apr. 10	5,218	47,94		Apr. 10	39,727	8,30
	Jul. 19	5,185	48,70		Jul. 19	39,742	7,49
	Oct. 27	5,161	49,49		Oct. 27	39,747	6,67
	Dec. 66	5,146	50,31		Dec. 66	39,744	5,84
1778	Jan. 0	5 43 8,393	+ 7 20 51,50	1788	Jan. 1	5 43 42,990	+ 7 21 7,54
	Apr. 10	8,385	52,33		Apr. 10	42,980	6,71
	Jul. 19	8,385	53,15		Jul. 19	42,961	5,89
	Oct. 27	8,394	53,97		Oct. 27	42,933	5,09
	Dec. 66	8,413	54,79		Dec. 66	42,896	4,30
1779	Jan. 0	5 43 11,649	+ 7 20 55,98	1789	Jan. 0	5 43 46,154	+ 7 21 5,98
	Apr. 10	11,674	56,79		Apr. 10	46,111	5,21
	Jul. 19	11,707	57,58		Jul. 19	46,060	4,47
	Oct. 27	11,748	58,34		Oct. 27	46,001	3,77
	Dec. 66	11,798	59,07		Dec. 66	45,934	3,12

Tabulae X. Sect. II. *α Orionis.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″				h ′ ″	° ′ ″
Jan. 0	+1,349	+ 6,2	− 1,28	− 8,7	+1	−1	1770	5 42 43,5176	+ 7 20 41,395
10	+1,388	+ 1,6	− 2,10	− 7,7	+1	−1	1771	42 46,7612	20 42,897
20	+1,380	− 3,0	− 2,82	− 6,6	+2	−1	1772	42 50,0049	20 44,394
30	+1,329	− 7,2	− 3,41	− 5,4	+2	−1	1773	42 53,2486	20 45,886
Febr. 9	+1,236	−11,0	− 3,90	− 4,3	+3	−1	1774	42 56,4923	20 47,374
							1775	42 59,7360	20 48,856
19	+1,110	−14,0	− 4,27	− 3,1	+3	−1	1776	43 2,9798	20 50,334
Mart. 1	+0,957	−16,2	− 4,52	− 2,1	+3	−1	1777	43 6,2236	20 51,807
11	+0,787	−17,3	− 4,68	− 1,1	+3	−1	1778	43 9,4674	20 53,276
21	+0,611	−17,4	− 4,74	− 0,1	+3	−1	1779	43 12,7113	20 54,740
31	+0,439	−16,5	− 4,69	+ 1,0	+3	−1	1780	43 15,9552	20 56,200
							1781	43 19,1991	20 57,655
Apr. 10	+0,282	−14,5	− 4,55	+ 2,0	+3	−1	1782	43 22,4431	20 59,105
20	+0,149	−11,8	− 4,30	+ 3,1	+3	−1	1783	43 25,6871	21 0,550
30	+0,046	− 8,5	− 3,93	+ 4,3	+2	−1	1784	43 28,9311	21 1,990
Maj. 10	−0,020	− 4,6	− 3,45	+ 5,4	+2	−1	1785	43 32,1752	21 3,425
20	−0,045	− 0,4	− 2,85	+ 6,6	+1	−1	1786	43 35,4193	21 4,856
							1787	43 38,6634	21 6,282
30	−0,028	+ 3,9	− 2,14	+ 7,7	+1	−1	1788	43 41,9075	21 7,703
Jun. 9	+0,032	+ 8,1	− 1,31	+ 8,8	+1	−1	1789	43 45,1517	21 9,120
19	+0,133	+12,0	− 0,39	+ 9,6	0	−2	1790	43 48,3959	21 10,532
29	+0,271	+15,6	+ 0,61	+10,2	0	−2			
Jul. 9	+0,445	+18,9	+ 1,65	+10,5	−1	−2			
19	+0,648	+21,6	+ 2,71	+10,5	−1	−2			
29	+0,877	+24,2	+ 3,75	+10,1	−2	−2			
Aug. 8	+1,127	+25,8	+ 4,72	+ 9,2	−2	−3			
18	+1,393	+27,2	+ 5,59	+ 8,0	−2	−3			
28	+1,671	+28,2	+ 6,31	+ 6,3	−2	−3			
Sept. 7	+1,956	+28,8	+ 6,84	+ 4,3	−3	−3			
17	+2,246	+29,1	+ 7,17	+ 2,2	−3	−4			
27	+2,537	+29,0	+ 7,28	− 0,1	−3	−4			
Oct. 7	+2,826	+28,6	+ 7,15	− 2,4	−3	−4			
17	+3,109	+27,8	+ 6,80	− 4,6	−2	−4			
27	+3,382	+26,6	+ 6,24	− 6,5	−2	−4			
Nov. 6	+3,641	+25,0	+ 5,51	− 8,0	−2	−4			
16	+3,881	+22,8	+ 4,65	− 9,1	−1	−5			
26	+4,097	+20,1	+ 3,69	− 9,8	−1	−5			
Dec. 6	+4,283	+16,9	+ 2,69	−10,0	0	−5			
16	+4,435	+13,2	+ 1,70	− 9,8	0	−5			
26	+4,546	+ 8,9	+ 0,74	− 9,2	+1	−5			
36	+4,613	+ 4,4	− 0,14	− 8,3	+1	−5			

Diei reducto addendum est:

ante } Jun. 17 { + 1
post } { + 2

In mensa. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *α Canis majoris.*

1770	Jan. 0	6 35	1,503	−16 25	1,19	1780	Jan. 1	6 35	26,287	−16 25	35,54
	Apr. 10		1,480		1,94		Apr. 10		26,331		34,91
	Jul. 19		1,450		2,66		Jul. 19		26,380		34,34
	Oct. 27		1,413		3,34		Oct. 27		26,434		33,83
	Dec. 66		1,368		3,97		Dec. 66		26,494		33,37
1771	Jan. 0	6 35	4,027	−16 25	8,06	1781	Jan. 0	6 35	29,117	−16 25	37,85
	Apr. 10		3,978		8,66		Apr. 10		29,181		37,43
	Jul. 19		3,923		9,20		Jul. 19		29,248		37,08
	Oct. 27		3,862		9,68		Oct. 27		29,319		36,80
	Dec. 66		3,796		10,10		Dec. 66		29,393		36,59
1772	Jan. 1	6 35	6,463	−16 25	14,26	1782	Jan. 0	6 35	32,011	−16 25	40,99
	Apr. 10		6,393		14,63		Apr. 10		32,087		40,82
	Jul. 19		6,319		14,93		Jul. 19		32,165		40,73
	Oct. 27		6,242		15,15		Oct. 27		32,244		40,71
	Dec. 66		6,162		15,30		Dec. 66		32,325		40,76
1773	Jan. 0	6 35	8,833	−16 25	19,56	1783	Jan. 0	6 35	34,942	−16 25	45,08
	Apr. 10		8,751		19,65		Apr. 10		35,023		45,18
	Jul. 19		8,668		19,67		Jul. 19		35,103		45,35
	Oct. 27		8,584		19,62		Oct. 27		35,182		45,59
	Dec. 66		8,499		19,49		Dec. 66		35,261		45,90
1774	Jan. 0	6 35	11,171	−16 25	23,85	1784	Jan. 1	6 35	37,879	−16 25	50,14
	Apr. 10		11,087		23,64		Apr. 10		37,956		50,49
	Jul. 19		11,004		23,37		Jul. 19		38,030		50,91
	Oct. 27		10,923		23,03		Oct. 27		38,101		51,39
	Dec. 66		10,844		22,62		Dec. 66		38,169		51,93
1775	Jan. 0	6 35	13,514	−16 25	27,08	1785	Jan. 0	6 35	40,791	−16 25	56,09
	Apr. 10		13,437		26,62		Apr. 10		40,856		57,67
	Jul. 19		13,364		26,11		Jul. 19		40,917		57,29
	Oct. 27		13,296		25,53		Oct. 27		40,972		57,96
	Dec. 66		13,232		24,90		Dec. 66		41,022		58,67
1776	Jan. 1	6 35	15,897	−16 25	29,43	1786	Jan. 0	6 35	43,650	−16 26	2,78
	Apr. 10		15,836		28,77		Apr. 10		43,696		3,52
	Jul. 19		15,782		28,06		Jul. 19		43,736		4,28
	Oct. 27		15,734		27,32		Oct. 27		43,769		5,06
	Dec. 66		15,693		26,55		Dec. 66		43,796		5,87
1777	Jan. 0	6 35	18,350	−16 25	31,13	1787	Jan. 0	6 35	46,431	−16 26	9,96
	Apr. 10		18,313		30,34		Apr. 10		46,453		10,77
	Jul. 19		18,284		29,53		Jul. 19		46,467		11,59
	Oct. 27		18,262		28,71		Oct. 27		46,473		12,41
	Dec. 66		18,248		27,88		Dec. 66		46,472		13,23
1778	Jan. 0	6 35	20,896	−16 25	32,48	1788	Jan. 1	6 35	49,117	−16 26	17,31
	Apr. 10		20,887		31,65		Apr. 10		49,111		18,12
	Jul. 19		20,885		30,84		Jul. 19		49,098		18,90
	Oct. 27		20,891		30,04		Oct. 27		49,077		19,66
	Dec. 66		20,904		29,26		Dec. 66		49,049		20,39
1779	Jan. 0	6 35	23,542	−16 25	33,84	1789	Jan. 0	6 35	51,702	−16 26	24,51
	Apr. 10		23,561		33,07		Apr. 10		51,668		25,22
	Jul. 19		23,586		32,34		Jul. 19		51,628		25,88
	Oct. 27		23,618		31,65		Oct. 27		51,581		26,48
	Dec. 66		23,657		30,99		Dec. 66		51,528		27,04

Tabulae X. Sect. II. *a Canis majoris.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″		″					h ′ ″	° ′ ″
Jan. 0	+1,426	+ 9,0	− 1,83	−23,7	0	+1	1770	6 35 0,6303	−16 24 57,763
10	+1,492	+ 4,2	− 4,15	−22,2	+1	+1	1771	35 3,2741	25 2,057
20	+1,509	− 0,8	− 6,27	−20,1	+1	+1	1772	35 5,9179	25 6,356
30	+1,477	− 5,5	− 8,17	−17,7	+1	0	1773	35 8,5617	25 10,658
Febr. 9	+1,400	− 9,7	− 9,81	−15,0	+2	0	1774	35 11,2056	25 14,964
							1775	35 13,8496	25 19,274
19	+1,283	−13,4	−11,16	−11,9	+2	0	1776	35 16,4935	25 23,588
Mart. 1	+1,133	−16,2	−12,19	− 8,8	+2	0	1777	35 19,1373	25 27,905
11	+0,959	−18,2	−12,91	− 5,6	+2	−1	1778	35 21,7812	25 32,226
21	+0,770	−19,1	−13,31	− 2,5	+3	−1	1779	35 24,4250	25 36,551
31	+0,577	−19,0	−13,40	+ 0,7	+2	−1	1780	35 27,0689	25 40,880
							1781	35 29,7128	25 45,213
Apr. 10	+0,390	−18,0	−13,17	+ 3,8	+2	−1	1782	35 32,3567	25 49,549
20	+0,218	−16,1	−12,64	+ 6,8	+2	−2	1783	35 35,0006	25 53,890
30	+0,069	−13,5	−11,82	+ 9,6	+2	−2	1784	35 37,6445	25 58,234
Maj. 10	−0,051	−10,3	−10,72	+12,2	+2	−2	1785	35 40,2884	26 2,581
20	−0,136	− 6,7	− 9,38	+14,6	+2	−2	1786	35 42,9323	26 6,933
							1787	35 45,5762	26 11,288
30	−0,184	− 2,8	− 7,81	+16,7	+1	−3	1788	35 48,2201	26 15,648
Jun. 9	−0,192	+ 1,2	− 6,04	+18,4	+1	−3	1789	35 50,8641	26 20,011
19	−0,161	+ 5,1	− 4,14	+19,6	0	−3	1790	35 53,5080	26 24,378
29	−0,091	+ 8,8	− 2,12	+20,4	0	−3			
Jul. 9	+0,015	+12,4	− 0,06	+20,5	0	−3			
19	+0,156	+15,6	+ 1,98	+20,0	−1	−3			
29	+0,327	+18,5	+ 3,94	+18,9	−1	−3			
Aug. 8	+0,526	+21,1	+ 5,75	+17,0	−1	−3			
18	+0,749	+23,3	+ 7,34	+14,5	−2	−3			
28	+0,992	+25,2	+ 8,65	+11,4	−2	−3			
Sept. 7	+1,253	+26,7	+ 9,62	+ 7,7	−2	−3			
17	+1,526	+27,9	+10,19	+ 3,6	−2	−3			
27	+1,810	+28,7	+10,33	− 0,8	−2	−3			
Oct. 7	+2,100	+29,1	+10,03	− 5,2	−2	−3			
17	+2,391	+29,0	+ 9,29	− 9,6	−2	−2			
27	+2,679	+28,4	+ 8,12	−13,7	−2	−2			
Nov. 6	+2,958	+27,2	+ 6,56	−17,2	−2	−2			
16	+3,223	+25,5	+ 4,68	−20,2	−2	−2			
26	+3,467	+23,0	+ 2,53	−22,4	−1	−2			
Dec. 6	+3,683	+19,9	+ 0,20	−23,8	−1	−2			
16	+3,864	+16,1	− 2,23	−24,4	−1	−2			
26	+4,005	+11,8	− 4,68	−24,2	0	−2			
36	+4,100	+ 7,2	− 7,06	−23,3	0	−3			

Diei reducto addendum est:

ante } Jun. 29 { + 1
post } { + 2

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *α Geminorum.*

		h ′ ″	° ′ ″			h ′ ″	° ′ ″
1770	Jan. 0	7 19 54,508	+32 22 9,46	1780	Jan. 1	7 20 30,748	+32 21 10,67
	Apr. 10	54,460	8,78		Apr. 10	30,823	11,19
	Jul. 19	54,402	8,15		Jul. 19	30,906	11,66
	Oct. 27	54,334	7,57		Oct. 27	30,995	12,06
	Dec. 66	54,257	7,03		Dec. 66	31,092	12,41
1771	Jan. 0	7 19 58,133	+32 22 0,27	1781	Jan. 0	7 20 34,908	+32 21 5,32
	Apr. 10	58,050	21 59,77		Apr. 10	35,008	5,62
	Jul. 19	57,959	59,34		Jul. 19	35,113	5,85
	Oct. 27	57,861	58,98		Oct. 27	35,222	6,01
	Dec. 66	57,756	58,68		Dec. 66	35,334	6,10
1772	Jan. 1	7 20 1,642	+32 21 51,84	1782	Jan. 0	7 20 39,145	+32 20 59,09
	Apr. 10	1,533	51,59		Apr. 10	39,260	59,13
	Jul. 19	1,420	51,42		Jul. 19	39,375	59,11
	Oct. 27	1,303	51,32		Oct. 27	39,491	59,01
	Dec. 66	1,183	51,30		Dec. 66	39,608	58,84
1773	Jan. 0	7 20 5,073	+32 21 44,36	1783	Jan. 0	7 20 43,417	+32 20 51,91
	Apr. 10	4,951	44,39		Apr. 10	43,533	51,69
	Jul. 19	4,829	44,50		Jul. 19	43,647	51,41
	Oct. 27	4,707	44,68		Oct. 27	43,758	51,07
	Dec. 66	4,586	44,94		Dec. 66	43,867	50,66
1774	Jan. 0	7 20 8,476	+32 21 37,90	1784	Jan. 1	7 20 47,680	+32 20 43,80
	Apr. 10	8,356	38,21		Apr. 10	47,786	43,35
	Jul. 19	8,240	38,58		Jul. 19	47,886	42,84
	Oct. 27	8,128	39,02		Oct. 27	47,981	42,28
	Dec. 66	8,020	39,53		Dec. 66	48,070	41,67
1775	Jan. 0	7 20 11,904	+32 21 32,40	1785	Jan. 0	7 20 51,889	+32 20 34,88
	Apr. 10	11,800	32,95		Apr. 10	51,974	34,24
	Jul. 19	11,704	33,54		Jul. 19	52,050	33,56
	Oct. 27	11,615	34,19		Oct. 27	52,118	32,85
	Dec. 66	11,534	34,88		Dec. 66	52,178	32,10
1776	Jan. 1	7 20 15,409	+32 21 27,69	1786	Jan. 0	7 20 56,007	+32 20 25,34
	Apr. 10	15,334	28,41		Apr. 10	56,060	24,53
	Jul. 19	15,268	29,15		Jul. 19	56,104	23,80
	Oct. 27	15,213	29,92		Oct. 27	56,137	23,01
	Dec. 66	15,167	30,72		Dec. 66	56,160	22,20
1777	Jan. 0	7 20 19,030	+32 21 23,49	1787	Jan. 0	7 21 0,001	+32 20 15,46
	Apr. 10	18,991	24,29		Apr. 10	0,017	14,65
	Jul. 19	18,964	25,09		Jul. 19	0,022	13,86
	Oct. 27	18,947	25,90		Oct. 27	0,016	13,07
	Dec. 66	18,942	26,71		Dec. 66	20 59,999	12,30
1778	Jan. 0	7 20 22,791	+32 21 19,47	1788	Jan. 1	7 21 3,854	+32 20 5,54
	Apr. 10	22,793	20,27		Apr. 10	3,829	4,79
	Jul. 19	22,806	21,04		Jul. 19	3,794	4,07
	Oct. 27	22,830	21,79		Oct. 27	3,749	3,39
	Dec. 66	22,864	22,51		Dec. 66	3,693	2,74
1779	Jan. 0	7 20 26,701	+32 21 15,30	1789	Jan. 0	7 21 7,560	+32 19 55,92
	Apr. 10	26,742	16,00		Apr. 10	7,498	55,31
	Jul. 19	26,793	16,65		Jul. 19	7,426	54,75
	Oct. 27	26,854	17,26		Oct. 27	7,345	54,25
	Dec. 66	26,924	17,83		Dec. 66	7,255	53,80

Tabulae X. Sect. II. *α Geminorum.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	s	"	s	"	s	"		h ′ ″	° ′ ″
Jan. 0	+1,584	+18,4	− 3,82	+ 3,6	−1	−3	1770	7 19 53,2965	+32 22 13,988
10	+1,742	+12,9	− 3,38	+ 4,7	−1	−3	1771	19 57,1463	22 7,058
20	+1,342	+ 7,1	− 2,78	+ 6,6	0	−3	1772	20 0,9959	22 0,123
30	+1,884	+ 1,3	− 2,07	+ 7,4	+1	−4	1773	20 4,8454	21 53,183
Febr. 9	+1,867	− 4,4	− 1,30	+ 7,9	+1	−4	1774	20 8,6948	21 46,238
							1775	20 12,5441	21 39,287
19	+1,797	− 9,3	− 0,50	+ 7,9	+2	−4	1776	20 16,3932	21 32,331
Mart. 1	+1,681	−13,6	+ 0,27	+ 7,4	+3	−3	1777	20 20,2422	21 25,370
11	+1,526	−16,8	+ 0,97	+ 6,4	+3	−3	1778	20 24,0911	21 18,403
21	+1,346	−18,7	+ 1,55	+ 5,1	+3	−3	1779	20 27,9399	21 11,431
31	+1,152	−19,6	+ 1,99	+ 3,6	+4	−2	1780	20 31,7885	21 4,454
							1781	20 35,6370	20 57,472
Apr. 10	+0,955	−19,2	+ 2,27	+ 2,0	+4	−2	1782	20 39,4854	20 50,484
20	+0,768	−17,8	+ 2,38	+ 0,3	+4	−2	1783	20 43,3337	20 43,491
30	+0,600	−15,4	+ 2,32	− 1,4	+4	−1	1784	20 47,1818	20 36,493
Maj. 10	+0,461	−12,2	+ 2,11	− 2,8	+3	−1	1785	20 51,0299	20 29,490
20	+0,356	− 8,5	+ 1,76	− 4,1	+3	−1	1786	20 54,8778	20 22,481
							1787	20 58,7256	20 15,467
30	+0,291	− 4,4	+ 1,29	− 5,2	+3	0	1788	21 2,5733	20 8,448
Jun. 9	+0,269	− 0,1	+ 0,73	− 6,0	+2	0	1789	21 6,4208	20 1,424
19	+0,290	+ 4,2	+ 0,10	− 6,5	+1	0	1790	21 10,2681	19 54,394
29	+0,353	+ 8,4	− 0,57	− 6,9	+1	0			
Jul. 9	+0,457	+12,4	− 1,28	− 7,2	0	0			
19	+0,600	+16,1	− 2,01	− 7,4	−1	0			
29	+0,778	+19,4	− 2,75	− 7,4	−1	0			
Aug. 8	+0,988	+22,4	− 3,49	− 7,5	−2	0			
18	+1,226	+25,1	− 4,24	− 7,6	−3	−1			
28	+1,490	+27,5	− 5,00	− 7,6	−3	−1			
Sept. 7	+1,776	+29,6	− 5,76	− 7,6	−4	−1			
17	+2,082	+31,5	− 6,52	− 7,7	−4	−2			
27	+2,405	+33,0	− 7,29	− 7,6	−5	−2			
Oct. 7	+2,742	+34,3	− 8,04	− 7,4	−5	−3			
17	+3,090	+35,1	− 8,77	− 7,1	−5	−4			
27	+3,448	+35,4	− 9,45	− 6,4	−5	−4			
Nov. 6	+3,797	+35,1	−10,05	− 5,5	−5	−5			
16	+4,145	+34,1	−10,55	− 4,4	−5	−6			
26	+4,478	+32,2	−10,92	− 2,9	−5	−6			
Dec. 6	+4,789	+29,6	−11,12	− 1,2	−4	−7			
16	+5,069	+26,0	−11,15	+ 0,6	−4	−7			
26	+5,308	+21,5	−11,00	+ 2,5	−3	−8			
36	+5,498	+16,4	−10,66	+ 4,2	−2	−8			

Diei reducto addendum est:

ante } Jul. 11 { + 1
post } { + 2

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *a Canis minoris.*

1770	Jan. 0	7 27 16,047	+ 5 47 47,20	1780	Jan. 1	7 27 45,610	+ 5 46 32,75
	Apr. 10	16,015	46,53		Apr. 10	45,666	33,26
	Jul. 19	15,974	45,91		Jul. 19	45,728	33,70
	Oct. 27	15,925	45,35		Oct. 27	45,797	34,09
	Dec. 66	15,867	44,83		Dec. 66	45,872	34,41
1771	Jan. 0	7 27 19,037	+ 5 47 36,47	1781	Jan. 0	7 27 48,995	+ 5 46 25,74
	Apr. 10	18,974	35,99		Apr. 10	49,073	26,02
	Jul. 19	18,905	35,58		Jul. 19	49,156	26,25
	Oct. 27	18,830	35,24		Oct. 27	49,242	26,37
	Dec. 66	18,747	34,96		Dec. 66	49,332	26,45
1772	Jan. 1	7 27 21,925	+ 5 47 26,51	1782	Jan. 0	7 27 52,451	+ 5 46 17,86
	Apr. 10	21,889	26,28		Apr. 10	52,543	17,88
	Jul. 19	21,749	26,13		Jul. 19	52,637	17,83
	Oct. 27	21,655	26,06		Oct. 27	52,732	17,71
	Dec. 66	21,558	26,06		Dec. 66	52,828	17,51
1773	Jan. 0	7 27 24,740	+ 5 47 17,51	1783	Jan. 0	7 27 55,945	+ 5 46 9,00
	Apr. 10	24,641	17,56		Apr. 10	56,041	8,78
	Jul. 19	24,542	17,69		Jul. 19	56,136	8,49
	Oct. 27	24,441	17,89		Oct. 27	56,230	8,13
	Dec. 66	24,340	18,17		Dec. 66	56,322	7,70
1774	Jan. 0	7 27 27,523	+ 5 47 9,53	1784	Jan. 1	7 27 59,440	+ 5 45 59,27
	Apr. 10	27,423	9,86		Apr. 10	59,531	58,80
	Jul. 19	27,325	10,25		Jul. 19	59,617	58,29
	Oct. 27	27,230	10,70		Oct. 27	59,699	57,72
	Dec. 66	27,138	11,22		Dec. 66	59,777	57,10
1775	Jan. 0	7 27 30,318	+ 5 47 2,50	1785	Jan. 0	7 28 2,900	+ 5 45 48,72
	Apr. 10	30,228	3,06		Apr. 10	2,975	48,07
	Jul. 19	30,144	3,66		Jul. 19	3,044	47,38
	Oct. 27	30,066	4,31		Oct. 27	3,206	46,65
	Dec. 66	29,993	5,01		Dec. 66	3,161	45,91
1776	Jan. 1	7 27 33,166	+ 5 46 56,23	1786	Jan. 0	7 28 6,292	+ 5 45 37,58
	Apr. 10	33,098	56,95		Apr. 10	6,343	36,81
	Jul. 19	33,037	57,70		Jul. 19	6,385	36,03
	Oct. 27	32,985	58,47		Oct. 27	6,420	35,24
	Dec. 66	32,940	59,27		Dec. 66	6,447	34,44
1777	Jan. 0	7 27 36,103	+ 5 46 50,45	1787	Jan. 0	7 28 9,588	+ 5 45 26,11
	Apr. 10	36,064	51,25		Apr. 10	9,609	25,31
	Jul. 19	36,034	52,05		Jul. 19	9,621	24,53
	Oct. 27	36,013	52,85		Oct. 27	9,623	23,75
	Dec. 66	36,000	53,65		Dec. 66	9,617	22,99
1778	Jan. 0	7 27 39,152	+ 5 46 44,88	1788	Jan. 1	7 28 12,769	+ 5 45 14,64
	Apr. 10	39,146	45,62		Apr. 10	12,757	13,90
	Jul. 19	39,149	46,38		Jul. 19	12,736	13,19
	Oct. 27	39,161	47,11		Oct. 27	12,706	12,52
	Dec. 66	39,182	47,82		Dec. 66	12,667	11,89
1779	Jan. 0	7 27 42,323	+ 5 46 39,03	1789	Jan. 0	7 28 15,829	+ 5 45 3,49
	Apr. 10	42,350	39,72		Apr. 10	15,784	2,89
	Jul. 19	42,385	40,35		Jul. 19	15,732	2,35
	Oct. 27	42,428	40,94		Oct. 27	15,671	1,87
	Dec. 66	42,479	41,49		Dec. 66	15,603	1,44

Tabulae X. Sect. II. *α Canis minoris.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	′	″	′	″	″	″		h ′ ″	° ′ ″
Jan. 0	+1,341	+15,8	− 2,36	−13,1	−1	0	1770	7 27 15,0219	+ 5 47 51,888
10	+1,477	+11,2	− 3,60	−11,7	0	0	1771	27 18,1713	47 43,360
20	+1,564	+ 6,2	− 4,69	−10,1	0	−1	1772	27 21,3206	47 34,828
30	+1,601	+ 1,2	− 5,61	− 8,3	+1	−1	1773	27 24,4699	47 26,292
Febr. 9	+1,588	− 3,6	− 6,34	− 6,5	+1	−1	1774	27 27,6191	47 17,751
							1775	27 30,7683	47 9,206
19	+1,530	− 7,8	− 6,90	− 4,7	+2	−1	1776	27 33,9174	47 0,657
Mart. 1	+1,432	−11,5	− 7,28	− 3,1	+2	−2	1777	27 37,0665	46 52,104
11	+1,301	−14,2	− 7,52	− 1,7	+2	−2	1778	27 40,2156	46 43,547
21	+1,149	−15,9	− 7,61	− 0,4	+3	−2	1779	27 43,3646	46 34,985
31	+0,983	−16,7	− 7,59	+ 0,8	+3	−2	1780	27 46,5136	46 26,418
							1781	27 49,6625	46 17,848
Apr. 10	+0,816	−16,4	− 7,45	+ 1,9	+3	−2	1782	27 52,8114	46 9,274
20	+0,655	−15,3	− 7,22	+ 2,8	+3	−2	1783	27 55,9603	46 0,696
30	+0,510	−13,4	− 6,89	+ 3,8	+3	−2	1784	27 59,1091	45 52,113
Maj. 10	+0,388	−10,8	− 6,47	+ 4,6	+2	−2	1785	28 2,2578	45 43,525
20	+0,294	− 7,8	− 5,97	+ 5,4	+2	−2	1786	28 5,4065	45 34,934
							1787	28 8,5552	45 26,338
30	+0,233	− 4,4	− 5,40	+ 6,1	+2	−2	1788	28 11,7038	45 17,738
Jun. 9	+0,206	− 1,0	− 4,75	+ 6,8	+1	−2	1789	28 14,8524	45 9,134
19	+0,214	+ 2,6	− 4,04	+ 7,3	+1	−2	1790	28 18,0010	45 0,527
29	+0,258	+ 6,1	− 3,30	+ 7,6	+1	−2			
Jul. 9	+0,335	+ 9,4	− 2,52	+ 7,7	0	−2			
19	+0,445	+12,5	− 1,76	+ 7,5	0	−2			
29	+0,584	+15,3	− 1,03	+ 6,9	−1	−2			
Aug. 8	+0,750	+17,9	− 0,38	+ 6,0	−1	−2			
18	+0,942	+20,3	+ 0,16	+ 4,7	−2	−2			
28	+1,156	+22,4	+ 0,55	+ 3,0	−2	−2			
Sept. 7	+1,390	+24,4	+ 0,76	+ 1,0	−2	−2			
17	+1,643	+26,1	+ 0,74	− 1,4	−3	−2			
27	+1,912	+27,6	+ 0,49	− 3,7	−3	−2			
Oct. 7	+2,194	+28,8	0,00	− 6,2	−3	−2			
17	+2,487	+29,7	− 0,75	− 8,6	−3	−3			
27	+2,787	+30,1	− 1,72	−10,7	−3	−3			
Nov. 6	+3,088	+29,9	− 2,89	−12,5	−3	−3			
16	+3,384	+29,1	− 4,22	−13,9	−3	−3			
26	+3,670	+27,7	− 5,66	−14,7	−3	−3			
Dec. 6	+3,937	+25,4	− 7,15	−15,0	−2	−4			
16	+4,177	+22,3	− 8,65	−14,7	−2	−4			
26	+4,382	+18,5	−10,03	−13,8	−2	−4			
36	+4,546	+14,1	−11,41	−12,6	−1	−5			

Diei reducto addendum est:

ante / post } Jul. 12 { + 1 / + 2

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *β Geminorum.*

1770	Jan. 0	7 31 13,954	+28 33 38,96	1780	Jan. 1	7 31 48,687	+28 32 31,47
	Apr. 10	13,907	38,30		Apr. 10	48,761	31,97
	Jul. 19	13,851	37,69		Jul. 19	48,841	32,41
	Oct. 27	13,786	37,13		Oct. 27	48,928	32,78
	Dec. 66	13,711	36,62		Dec. 66	49,021	33,10
1771	Jan. 0	7 31 17,428	+28 33 28,94	1781	Jan. 0	7 31 52,679	+28 32 25,10
	Apr. 10	17,348	28,48		Apr. 10	52,777	25,37
	Jul. 19	17,260	28,08		Jul. 19	52,878	25,57
	Oct. 27	17,165	27,75		Oct. 27	52,983	25,70
	Dec. 66	17,063	27,48		Dec. 66	53,092	25,76
1772	Jan. 1	7 31 20,790	+28 33 19,71	1782	Jan. 0	7 31 56,746	+28 32 17,85
	Apr. 10	20,684	19,50		Apr. 10	56,857	17,86
	Jul. 19	20,575	19,36		Jul. 19	56,968	17,81
	Oct. 27	20,462	19,30		Oct. 27	57,081	17,68
	Dec. 66	20,345	19,31		Dec. 66	57,194	17,48
1773	Jan. 0	7 31 24,076	+28 33 11,44	1783	Jan. 0	7 32 0,846	+28 32 9,66
	Apr. 10	23,958	11,50		Apr. 10	0,959	9,42
	Jul. 19	23,840	11,64		Jul. 19	1,069	9,11
	Oct. 27	23,722	11,85		Oct. 27	1,177	8,74
	Dec. 66	23,605	12,14		Dec. 66	1,282	8,30
1774	Jan. 0	7 31 27,336	+28 33 4,18	1784	Jan. 1	7 32 4,937	+28 32 0,54
	Apr. 10	27,220	4,51		Apr. 10	5,040	0,07
	Jul. 19	27,107	4,91		Jul. 19	5,137	31 59,55
	Oct. 27	26,998	5,37		Oct. 27	5,229	58,97
	Dec. 66	26,894	5,90		Dec. 66	5,315	58,34
1775	Jan. 0	7 31 30,620	+28 32 57,86	1785	Jan. 0	7 32 8,977	+28 31 50,65
	Apr. 10	30,519	58,42		Apr. 10	9,059	49,99
	Jul. 19	30,426	59,03		Jul. 19	9,133	49,30
	Oct. 27	30,340	59,69		Oct. 27	9,198	48,58
	Dec. 66	30,261	33 0,39		Dec. 66	9,256	47,83
1776	Jan. 1	7 31 33,978	+28 32 52,29	1786	Jan. 0	7 32 12,928	+28 31 40,17
	Apr. 10	33,905	53,00		Apr. 10	12,978	39,40
	Jul. 19	33,841	53,74		Jul. 19	13,021	38,62
	Oct. 27	33,788	54,52		Oct. 27	13,053	37,83
	Dec. 66	33,744	55,33		Dec. 66	13,076	37,03
1777	Jan. 0	7 31 37,448	+28 32 47,19	1787	Jan. 0	7 32 16,759	+28 31 29,38
	Apr. 10	37,411	47,99		Apr. 10	16,774	28,57
	Jul. 19	37,384	48,79		Jul. 19	16,779	27,79
	Oct. 27	37,368	49,59		Oct. 27	16,773	27,02
	Dec. 66	37,363	50,39		Dec. 66	16,757	26,28
1778	Jan. 0	7 31 41,055	+28 32 42,24	1788	Jan. 1	7 32 20,453	+28 31 18,60
	Apr. 10	41,057	43,02		Apr. 10	20,430	17,86
	Jul. 19	41,069	43,78		Jul. 19	20,396	17,16
	Oct. 27	41,092	44,51		Oct. 27	20,353	16,50
	Dec. 66	41,126	45,22		Dec. 66	20,297	15,88
1779	Jan. 0	7 31 44,804	+28 32 37,11	1789	Jan. 0	7 32 24,006	+28 31 8,15
	Apr. 10	44,844	37,78		Apr. 10	23,945	7,56
	Jul. 19	44,894	38,41		Jul. 19	23,876	7,03
	Oct. 27	44,952	38,99		Oct. 27	23,797	6,56
	Dec. 66	45,020	39,53		Dec. 66	23,710	6,14

Tabulae X. Sect. II. β *Geminorum.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″				h ′ ″	° ′ ″
Jan. 0	+1,507	+18,9	— 4,10	+ 0,8	—1	—2	1770	7 31 12,7822	+28 33 43,735
10	+1,671	+13,7	— 3,93	+ 2,5	—1	—3	1771	31 16,4739	33 35,891
20	+1,780	+ 8,1	— 3,60	+ 4,0	0	—3	1772	31 20,1655	33 28,043
30	+1,832	+ 2,4	— 3,13	+ 5,3	+1	—3	1773	31 23,8570	33 20,190
Febr. 9	+1,827	— 3,1	— 2,55	+ 6,1	+1	—3	1774	31 27,5483	33 12,332
							1775	31 31,2395	33 4,468
19	+1,770	— 8,0	— 1,91	+ 6,5	+2	—3	1776	31 34,9306	32 56,600
Mart. 1	+1,667	—12,3	— 1,26	+ 6,4	+2	—3	1777	31 38,6216	32 48,727
11	+1,525	—15,5	— 0,64	+ 5,9	+3	—3	1778	31 42,3125	32 40,849
21	+1,357	—17,6	— 0,09	+ 5,0	+3	—3	1779	31 46,0032	32 32,966
31	+1,174	—18,6	+ 0,36	+ 4,0	+3	—2	1780	31 49,6938	32 25,078
							1781	31 53,3843	32 17,185
Apr. 10	+0,986	—18,5	+ 0,70	+ 2,7	+4	—2	1782	31 57,0747	32 9,287
20	+0,805	—17,3	+ 0,89	+ 1,3	+4	—2	1783	32 0,7649	32 1,385
30	+0,641	—15,2	+ 0,96	+ 0,1	+3	—1	1784	32 4,4550	31 53,478
Maj. 10	+0,502	—12,3	+ 0,90	— 1,2	+3	—1	1785	32 8,1450	31 45,565
20	+0,396	— 8,8	+ 0,73	— 2,3	+3	—1	1786	32 11,8349	31 37,648
							1787	32 15,5247	31 29,726
30	+0,326	— 5,1	+ 0,44	— 3,2	+2	—1	1788	32 19,2143	31 21,799
Jun. 9	+0,295	— 1,1	+ 0,09	— 3,9	+2	0	1789	32 22,9033	31 13,867
19	+0,305	+ 3,0	— 0,34	— 4,5	+1	0	1790	32 26,5932	31 5,930
29	+0,355	+ 7,0	— 0,81	— 4,9	+1	0			
Jul. 9	+0,444	+10,7	— 1,32	— 5,3	0	0			
19	+0,569	+14,2	— 1,86	— 5,6	0	0			
29	+0,728	+17,5	— 2,48	— 5,8	—1	0			
Aug. 8	+0,918	+20,5	— 3,02	— 6,1	—2	0			
18	+1,137	+23,1	— 3,65	— 6,5	—2	—1			
28	+1,380	+25,5	— 4,31	— 6,8	—3	—1			
Sept. 7	+1,647	+27,7	— 5,01	— 7,2	—3	—1			
17	+1,934	+29,6	— 5,75	— 7,7	—4	—2			
27	+2,239	+31,3	— 6,54	— 8,0	—4	—2			
Oct. 7	+2,560	+32,7	— 7,35	— 8,2	—5	—3			
17	+2,892	+33,6	— 8,18	— 8,2	—5	—3			
27	+3,232	+34,2	— 8,99	— 8,0	—5	—4			
Nov. 6	+3,575	+34,2	— 9,77	— 7,5	—5	—4			
16	+3,915	+33,4	—10,49	— 6,6	—5	—5			
26	+4,242	+31,8	—11,09	— 5,4	—4	—5			
Dec. 6	+4,550	+29,4	—11,57	— 4,0	—4	—6			
16	+4,829	+26,0	—11,88	— 2,2	—4	—7			
26	+5,070	+21,8	—12,01	— 0,4	—3	—7			
36	+5,265	+17,0	—11,95	+ 1,5	—2	—7			

Diei reducto addendum est:

ante / post } Jul. 13 { + 1 / + 2

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *α Hydrae.*

1770	Jan. 0	9 16 17,995	− 7 40 27,94	1780	Jan. 1	9 16 45,630	− 7 42 45,66
	Apr. 10	17,972	28,31		Apr. 10	45,675	45,47
	Jul. 19	17,941	28,63		Jul. 19	45,727	45,34
	Oct. 27	17,902	28,88		Oct. 27	45,785	45,27
	Dec. 66	17,856	29,07		Dec. 66	45,849	45,27
1771	Jan. 0	9 16 20,820	− 7 40 44,15	1781	Jan. 0	9 16 48,775	− 7 43 0,43
	Apr. 10	20,768	44,30		Apr. 10	48,843	0,47
	Jul. 19	20,710	44,38		Jul. 19	48,915	0,58
	Oct. 27	20,645	44,39		Oct. 27	48,992	0,74
	Dec. 66	20,574	44,34		Dec. 66	49,073	0,97
1772	Jan. 1	9 16 23,547	− 7 40 59,51	1782	Jan. 0	9 16 51,993	− 7 43 16,05
	Apr. 10	23,472	59,41		Apr. 10	52,076	16,32
	Jul. 19	23,392	59,24		Jul. 19	52,161	16,64
	Oct. 27	23,309	59,01		Oct. 27	52,248	17,01
	Dec. 66	23,221	58,71		Dec. 66	52,337	17,44
1773	Jan. 0	9 16 26,199	− 7 41 13,95	1783	Jan. 0	9 16 55,255	− 7 43 32,47
	Apr. 10	26,109	13,61		Apr. 10	55,344	32,93
	Jul. 19	26,018	13,22		Jul. 19	55,432	33,43
	Oct. 27	25,926	12,77		Oct. 27	55,520	33,93
	Dec. 66	25,832	12,26		Dec. 66	55,607	34,56
1774	Jan. 0	9 16 28,811	− 7 41 27,58	1784	Jan. 1	9 16 58,526	− 7 43 49,54
	Apr. 10	28,718	27,04		Apr. 10	58,612	50,15
	Jul. 19	28,626	26,46		Jul. 19	58,695	50,78
	Oct. 27	28,536	25,85		Oct. 27	58,775	51,44
	Dec. 66	28,448	25,19		Dec. 66	58,852	52,12
1775	Jan. 0	9 16 31,425	− 7 41 40,56	1785	Jan. 0	9 17 1,774	− 7 44 7,07
	Apr. 10	31,339	39,89		Apr. 10	1,848	7,76
	Jul. 19	31,257	39,20		Jul. 19	1,917	8,46
	Oct. 27	31,180	38,49		Oct. 27	1,980	9,16
	Dec. 66	31,108	37,77		Dec. 66	2,037	9,87
1776	Jan. 1	9 16 34,080	− 7 41 53,16	1786	Jan. 0	9 17 4,967	− 7 44 24,81
	Apr. 10	34,012	52,44		Apr. 10	5,020	25,51
	Jul. 19	33,950	51,72		Jul. 19	5,066	26,20
	Oct. 27	33,895	51,01		Oct. 27	5,105	26,87
	Dec. 66	33,847	50,30		Dec. 66	5,137	27,52
1777	Jan. 0	9 16 36,810	− 7 42 5,69	1787	Jan. 0	9 17 8,075	− 7 44 42,49
	Apr. 10	36,767	5,00		Apr. 10	8,102	43,12
	Jul. 19	36,732	4,33		Jul. 19	8,120	43,72
	Oct. 27	36,705	3,70		Oct. 27	8,130	44,28
	Dec. 66	36,686	3,09		Dec. 66	8,132	44,80
1778	Jan. 0	9 16 39,640	− 7 42 18,45	1788	Jan. 1	9 17 11,080	− 7 44 59,81
	Apr. 10	39,627	17,87		Apr. 10	11,076	45 0,30
	Jul. 19	39,622	17,33		Jul. 19	11,064	0,74
	Oct. 27	39,625	16,84		Oct. 27	11,044	1,13
	Dec. 66	39,637	16,40		Dec. 66	11,015	1,46
1779	Jan. 0	9 16 42,581	− 7 42 31,70	1789	Jan. 0	9 17 13,974	− 7 45 16,54
	Apr. 10	42,598	31,30		Apr. 10	13,939	16,83
	Jul. 19	42,623	30,95		Jul. 19	13,897	17,06
	Oct. 27	42,656	30,66		Oct. 27	13,848	17,22
	Dec. 66	42,696	30,42		Dec. 66	13,791	17,32

Tabulae X. Sect. II. *α Hydrae.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	′	″	′	″	″	″		h ′ ″	° ′ ″
Jan. 0	+1,063	+24,5	— 0,06	—22,4	—2	+2	1770	9 16 17,0249	— 7 40 21,441
10	+1,289	+20,5	— 2,27	—21,6	—1	+1	1771	16 19,9731	40 36,578
20	+1,472	+15,9	— 4,37	—20,2	—1	+1	1772	16 22,9213	40 51,719
30	+1,607	+11,0	— 6,31	—18,4	0	+1	1773	16 25,8695	41 6,862
Febr. 9	+1,692	+ 6,1	— 8,04	—16,2	0	0	1774	16 28,8177	41 22,009
							1775	16 31,7658	41 37,157
19	+1,728	+ 1,3	— 9,54	—13,8	+1	0	1776	16 34,7139	41 52,309
Mart. 1	+1,718	— 3,1	—10,79	—11,3	+1	0	1777	16 37,6620	42 7,463
11	+1,666	— 6,9	—11,79	— 8,8	+1	—1	1778	16 40,6101	42 22,620
21	+1,580	— 9,9	—12,54	— 6,4	+2	—1	1779	16 43,5582	42 37,780
31	+1,468	—12,2	—13,05	— 4,0	+2	—1	1780	16 46,5063	42 52,942
							1781	16 49,4544	43 8,108
Apr. 10	+1,337	—13,6	—13,33	— 1,7	+2	—2	1782	16 52,4024	43 23,276
20	+1,197	—14,2	—13,38	+ 0,5	+3	—2	1783	16 55,3504	43 38,446
30	+1,054	—14,0	—13,24	+ 2,4	+3	—2	1784	16 58,2984	43 53,620
Maj. 10	+0,917	—13,2	—12,90	+ 4,3	+3	—2	1785	17 1,2464	44 8,796
20	+0,790	—11,9	—12,38	+ 6,1	+3	—2	1786	17 4,1944	44 23,975
							1787	17 7,1424	44 39,156
30	+0,680	—10,1	—11,69	+ 7,6	+3	—2	1788	17 10,0904	44 54,340
Jun. 9	+0,589	— 8,1	—10,86	+ 9,0	+2	—3	1789	17 13,0383	45 9,527
19	+0,519	— 5,8	— 9,90	+10,2	+2	—3	1790	17 15,9862	45 24,717
29	+0,474	— 3,3	— 8,83	+11,1	+2	—3			
Jul. 9	+0,453	— 0,8	— 7,69	+11,6	+1	—3			
19	+0,458	+ 1,9	— 6,51	+11,9	+1	—3			
29	+0,490	+ 4,5	— 5,32	+11,6	+1	—3			
Aug. 8	+0,548	+ 7,2	— 4,19	+10,9	0	—2			
18	+0,634	+10,0	— 3,15	+ 9,6	0	—2			
28	+0,747	+12,8	— 2,27	+ 7,9	—1	—2			
Sept. 7	+0,890	+15,7	— 1,58	+ 5,4	—1	—2			
17	+1,061	+18,6	— 1,19	+ 2,8	—2	—2			
27	+1,261	+21,5	— 1,02	— 0,2	—2	—2			
Oct. 7	+1,490	+24,2	— 1,22	— 3,8	—2	—1			
17	+1,745	+26,7	— 1,77	— 7,3	—3	—1			
27	+2,024	+28,9	— 2,67	—10,8	—3	—1			
Nov. 6	+2,323	+30,6	— 3,92	—14,1	—3	—1			
16	+2,635	+31,5	— 5,49	—17,0	—3	—1			
26	+2,953	+31,6	— 7,32	—19,4	—3	—1			
Dec. 6	+3,267	+30,9	— 9,36	—21,2	—3	—1			
16	+3,570	+29,2	—11,55	—22,3	—3	—1			
26	+3,851	+26,5	—13,81	—22,6	—2	—1			
36	+4,100	+23,1	—16,06	—22,2	—2	—1			

Diei reducto addendum est

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In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *α Leonis.*

1770	Jan. 0	9 56 7,136	+ 13 4 49,36	1780	Jan. 1	9 56 37,362	+13 2 11,34
	Apr. 10	7,095	49,11		Apr. 10	37,426	11,40
	Jul. 19	7,045	48,93		Jul. 19	37,495	11,40
	Oct. 27	6,988	48,81		Oct. 27	37,571	11,34
	Dec. 66	6,922	48,75		Dec. 66	37,652	11,22
1771	Jan. 0	9 56 10,155	+ 13 4 31,57	1781	Jan. 0	9 56 40,834	+13 1 54,05
	Apr. 10	10,084	31,55		Apr. 10	40,918	53,89
	Jul. 19	10,003	31,60		Jul. 19	41,006	53,67
	Oct. 27	9,925	31,71		Oct. 27	41,097	53,41
	Dec. 66	9,837	31,89		Dec. 66	41,192	53,08
1772	Jan. 1	9 56 13,078	+ 13 4 14,63	1782	Jan. 0	9 56 44,370	+13 1 35,97
	Apr. 10	12,986	14,85		Apr. 10	44,466	35,61
	Jul. 19	12,891	15,13		Jul. 19	44,562	35,20
	Oct. 27	12,893	15,46		Oct. 27	44,659	34,75
	Dec. 66	12,692	15,86		Dec. 66	44,757	34,26
1773	Jan. 0	9 56 15,936	+ 13 3 58,52	1783	Jan. 0	9 56 47,934	+13 1 17,30
	Apr. 10	15,834	58,95		Apr. 10	48,031	16,68
	Jul. 19	15,732	59,43		Jul. 19	48,126	16,13
	Oct. 27	15,630	59,95		Oct. 27	48,219	15,54
	Dec. 66	15,529	4 0,51		Dec. 66	48,310	14,93
1774	Jan. 0	9 56 18,773	+ 13 3 43,12	1784	Jan. 1	9 56 51,489	+13 0 57,91
	Apr. 10	18,673	43,71		Apr. 10	51,577	57,28
	Jul. 19	18,576	44,32		Jul. 19	51,661	56,64
	Oct. 27	18,483	44,96		Oct. 27	51,740	55,99
	Dec. 66	18,393	45,63		Dec. 66	51,814	55,32
1775	Jan. 0	9 56 21,632	+ 13 3 28,20	1785	Jan. 0	9 56 54,999	+13 0 38,32
	Apr. 10	21,546	28,88		Apr. 10	55,069	37,65
	Jul. 19	21,466	29,56		Jul. 19	55,132	36,98
	Oct. 27	21,392	30,25		Oct. 27	55,288	36,33
	Dec. 66	21,325	30,94		Dec. 66	55,237	35,68
1776	Jan. 1	9 56 24,556	+ 13 3 13,51	1786	Jan. 0	9 56 58,431	+13 0 18,66
	Apr. 10	24,494	14,19		Apr. 10	58,475	18,02
	Jul. 19	24,440	14,86		Jul. 19	58,510	17,41
	Oct. 27	24,394	15,51		Oct. 27	58,537	16,83
	Dec. 66	24,357	16,14		Dec. 66	58,556	16,27
1777	Jan. 0	9 56 27,579	+ 13 2 58,72	1787	Jan. 0	9 57 1,759	+12 59 59,22
	Apr. 10	27,548	59,33		Apr. 10	1,772	58,69
	Jul. 19	27,525	59,91		Jul. 19	1,775	58,20
	Oct. 27	27,512	3 0,44		Oct. 27	1,769	57,75
	Dec. 66	27,509	0,94		Dec. 66	1,754	57,35
1778	Jan. 0	9 56 30,719	+ 13 2 43,57	1788	Jan. 1	9 57 4,969	+12 59 40,24
	Apr. 10	30,721	44,04		Apr. 10	4,947	39,87
	Jul. 19	30,733	44,46		Jul. 19	4,917	39,56
	Oct. 27	30,754	44,83		Oct. 27	4,878	39,31
	Dec. 66	30,784	45,14		Dec. 66	4,831	39,11
1779	Jan. 0	9 56 33,983	+ 13 2 27,83	1789	Jan. 0	9 57 8,057	+12 59 21,93
	Apr. 10	34,019	28,10		Apr. 10	8,003	21,78
	Jul. 19	34,062	28,32		Jul. 19	7,942	21,69
	Oct. 27	34,114	28,48		Oct. 27	7,874	21,66
	Dec. 66	34,173	28,58		Dec. 66	7,799	21,69

Tabulae X. Sect. II. *α Leonis.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″		″					h ′ ″	° ′ ″
Jan. 0	+0,902	+28,6	— 5,24	—14,7	—3	+1	1770	9 56 6,1258	+13 4 56,162
10	+1,172	+25,1	— 6,60	—12,4	—2	0	1771	56 9,3363	4 38,968
20	+1,404	+20,9	— 7,72	— 9,9	—2	0	1772	56 12,5467	4 21,771
30	+1,590	+16,2	— 8,57	— 7,2	—2	—1	1773	56 15,7570	4 4,572
Febr. 9	+1,727	+11,2	— 9,16	— 4,6	—1	—1	1774	56 18,9672	3 47,370
							1775	56 22,1773	3 30,166
19	+1,813	+ 6,2	— 9,48	— 2,0	0	—1	1776	56 25,3873	3 12,960
Mart. 1	+1,850	+ 1,5	— 9,56	+ 0,3	0	—2	1777	56 28,5972	2 55,752
11	+1,842	— 2,8	— 9,43	+ 2,1	+1	—2	1778	56 31,8070	2 38,541
21	+1,794	— 6,4	— 9,14	+ 3,6	+1	—2	1779	56 35,0167	2 21,327
31	+1,714	— 9,2	— 8,72	+ 4,7	+2	—2	1780	56 38,2262	2 4,112
							1781	56 41,4357	1 46,894
Apr. 10	+1,610	—11,3	— 8,20	+ 5,4	+2	—3	1782	56 44,6451	1 29,674
20	+1,489	—12,5	— 7,64	+ 5,8	+2	—3	1783	56 47,8544	1 12,451
30	+1,361	—12,9	— 7,05	+ 5,8	+3	—3	1784	56 51,0636	0 55,226
Maj. 10	+1,232	—12,7	— 6,48	+ 5,6	+3	—2	1785	56 54,2726	0 37,999
20	+1,108	—11,9	— 5,93	+ 5,3	+3	—2	1786	56 57,4816	0 20,769
							1787	57 0,6905	0 3,538
30	+0,994	—10,7	— 5,42	+ 4,8	+3	—2	1788	57 3,8993	12 59 46,303
Jun. 9	+0,895	— 9,0	— 4,97	+ 4,2	+3	—2	1789	57 7,1080	59 29,067
19	+0,815	— 7,1	— 4,59	+ 3,5	+2	—2	1790	57 10,3165	59 11,828
29	+0,754	— 5,0	— 4,28	+ 2,7	+2	—2			
Jul. 9	+0,715	— 2,8	— 4,05	+ 1,8	+2	—1			
19	+0,698	— 0,5	— 3,92	+ 0,8	+1	—1			
29	+0,705	+ 2,0	— 3,89	— 0,3	+1	—1			
Aug. 8	+0,737	+ 4,5	— 3,98	— 1,6	0	—1			
18	+0,795	+ 7,2	— 4,21	— 3,1	0	—1			
28	+0,880	+ 9,9	— 4,59	— 4,7	—1	0			
Sept. 7	+0,993	+12,8	— 5,15	— 6,6	—1	0			
17	+1,136	+15,9	— 5,90	— 8,5	—2	0			
27	+1,310	+19,0	— 6,84	—10,5	—2	0			
Oct. 7	+1,515	+22,1	— 7,99	—12,5	—3	0			
17	+1,752	+25,2	— 9,34	—14,4	—3	0			
27	+2,018	+27,9	—10,87	—16,1	—4	0			
Nov. 6	+2,310	+30,2	—12,55	—17,4	—4	0			
16	+2,622	+32,0	—14,34	—18,2	—4	0			
26	+2,950	+33,0	—16,19	—18,5	—4	0			
Dec. 6	+3,282	+33,1	—18,04	—18,2	—4	—1			
16	+3,612	+32,2	—19,83	—17,3	—4	—1			
26	+3,926	+30,3	—21,50	—15,8	—4	—1			
36	+4,217	+27,5	—22,99	—13,9	—4	—2			

Diei reducto addendum est:

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In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *β Leonis.*

1770	Jan. 0	11 37 19,749	+15 51 17,10	1780	Jan. 1	11 37 48,693	+15 48 9,25
	Apr. 10	19,703	17,21		Apr. 10	48,759	8,96
	Jul. 19	19,652	17,37		Jul. 19	48,830	8,63
	Oct. 27	19,592	17,60		Oct. 27	48,906	8,27
	Dec. 66	19,525	17,88		Dec. 66	48,987	7,87
1771	Jan. 0	11 37 22,619	+15 50 57,71	1781	Jan. 0	11 37 52,030	+15 47 47,94
	Apr. 10	22,547	58,03		Apr. 10	52,114	47,50
	Jul. 19	22,470	58,39		Jul. 19	52,201	47,04
	Oct. 27	22,387	58,80		Oct. 27	52,191	46,54
	Dec. 66	22,299	59,25		Dec. 66	52,384	46,01
1772	Jan. 1	11 37 25,400	+15 50 39,03	1782	Jan. 0	11 37 55,423	+15 47 26,12
	Apr. 10	25,309	39,51		Apr. 10	55,517	25,57
	Jul. 19	25,215	40,02		Jul. 19	55,611	25,01
	Oct. 27	25,119	40,57		Oct. 27	55,705	24,43
	Dec. 66	25,021	41,15		Dec. 66	55,800	23,84
1773	Jan. 0	11 37 28,125	+15 50 20,89	1783	Jan. 0	11 37 58,858	+15 47 3,97
	Apr. 10	28,025	21,48		Apr. 10	58,932	3,37
	Jul. 19	27,926	22,09		Jul. 19	59,023	2,77
	Oct. 27	27,828	22,71		Oct. 27	59,111	2,16
	Dec. 66	27,731	23,35		Dec. 66	59,197	1,56
1774	Jan. 0	11 37 30,834	+15 50 3,07	1784	Jan. 1	11 38 2,239	+15 46 41,69
	Apr. 10	30,738	3,70		Apr. 10	2,322	41,10
	Jul. 19	30,646	4,33		Jul. 19	2,401	40,52
	Oct. 27	30,558	4,95		Oct. 27	2,474	39,97
	Dec. 66	30,473	5,56		Dec. 66	2,542	39,43
1775	Jan. 0	11 37 33,572	+15 49 45,29	1785	Jan. 0	11 38 5,590	+15 46 19,54
	Apr. 10	33,491	45,89		Apr. 10	5,654	19,01
	Jul. 19	33,416	46,47		Jul. 19	5,711	18,52
	Oct. 27	33,348	47,01		Oct. 27	5,762	18,07
	Dec. 66	33,287	47,53		Dec. 66	5,805	17,65
1776	Jan. 1	11 37 36,377	+15 49 27,29	1786	Jan. 0	11 38 8,861	+15 45 57,71
	Apr. 10	36,321	27,78		Apr. 10	8,899	57,32
	Jul. 19	36,273	28,23		Jul. 19	8,929	56,97
	Oct. 27	36,233	28,64		Oct. 27	8,950	56,67
	Dec. 66	36,202	29,01		Dec. 66	8,963	56,42
1777	Jan. 0	11 37 39,282	+15 49 8,82	1787	Jan. 0	11 38 12,030	+15 45 36,43
	Apr. 10	39,257	9,15		Apr. 10	12,037	36,21
	Jul. 19	39,240	9,43		Jul. 19	12,035	36,04
	Oct. 27	39,233	9,65		Oct. 27	12,024	35,93
	Dec. 66	39,234	9,81		Dec. 66	12,005	35,88
1778	Jan. 0	11 37 42,303	+15 48 49,70	1788	Jan. 1	11 38 15,082	+15 45 15,82
	Apr. 10	42,311	49,83		Apr. 10	15,056	15,81
	Jul. 19	42,327	49,91		Jul. 19	15,022	15,85
	Oct. 27	42,352	49,93		Oct. 27	14,980	15,95
	Dec. 66	42,385	49,89		Dec. 66	14,930	16,11
1779	Jan. 0	11 37 45,443	+15 48 29,84	1789	Jan. 0	11 38 18,017	+15 44 55,98
	Apr. 10	45,482	29,76		Apr. 10	17,961	56,17
	Jul. 19	45,529	29,63		Jul. 19	17,898	56,42
	Oct. 27	45,583	29,46		Oct. 27	17,829	56,72
	Dec. 66	45,644	29,24		Dec. 66	17,753	57,08

Tabulae X. Sect. II. β *Leonis.*

	1780		1780		Var. 10 annor.		A. R. med.	Decl. med.
							h m s	° ′ ″
Jan. 0	+0,365	+33,2	− 6,85	−18,2	−3	+2	1770 11 37 1[illegible].7925	−15 51 23,760
10	+0,689	+31,3	− 8,55	−15,6	−3	−1	1771 37 21.3634	51 3,634
20	+0,990	+28,5	− 9,96	−12,5	−3	−1	1772 37 24.9342	50 43,628
30	+1,259	+24,9	−11,05	− 9,2	−3	0	1773 37 28.5049	50 23,562
Febr. 9	+1,488	+20,8	−11,79	− 5,7	−2	0	1774 37 32.0756	50 3,456
							1775 37 35.6462	49 43,429
19	+1,674	+16,3	−12,19	− 2,4	−2	−1	1776 37 39.2167	49 23,362
Mart. 1	+1,813	+11,7	−12,25	+ 0,8	−1	−1	1777 37 42.7871	49 3,294
11	+1,908	+ 7,3	−12,03	+ 3,5	−1	−1	1778 37 46.3574	48 43,226
21	+1,959	+ 3,2	−11,56	+ 5,8	0	−2	1779 37 49.9277	48 23,158
31	+1,971	− 0,5	−10,83	+ 7,6	0	−2	1780 37 53.4979	48 3,088
							1781 37 57.0680	47 43,019
Apr. 10	+1,950	− 3,5	−10,05	+ 8,8	+1	−2	1782 38 0.6380	47 22,950
20	+1,901	− 6,1	− 9,13	+ 9,4	+1	−2	1783 38 4.2080	47 2,880
30	+1,829	− 8,0	− 8,17	+ 9,6	+2	−2	1784 38 7.7779	46 42,810
Maj. 10	+1,742	− 9,2	− 7,22	+ 9,3	+2	−2	1785 38 11.3477	46 22,739
20	+1,645	−10,1	− 6,31	+ 8,7	+2	−2	1786 38 14.9174	46 2,668
							1787 38 18.4870	45 42,597
30	+1,541	−10,5	− 5,49	+ 7,7	+3	−2	1788 38 22.0566	45 22,525
Jun. 9	+1,435	−10,5	− 4,77	+ 6,6	+3	−2	1789 38 25.6261	45 2,453
19	+1,331	−10,3	− 4,17	+ 5,3	+3	−2	1790 38 29,1956	44 42,380
29	+1,230	− 9,7	− 3,72	+ 3,8	+3	−2		
Jul. 9	+1,137	− 8,9	− 3,42	+ 2,2	+3	−1		
19	+1,053	− 7,8	− 3,29	+ 0,5	+2	−1		
29	+0,982	− 6,4	− 3,33	− 1,3	+2	−1		
Aug. 8	+0,925	− 4,8	− 3,55	− 3,2	+2	0		
18	+0,886	− 2,8	− 3,96	− 5,1	+1	0		
28	+0,870	− 0,4	− 4,57	− 7,2	+1	0		
Sept. 7	+0,879	+ 2,4	− 5,40	− 9,4	0	0		
17	+0,918	+ 5,6	− 6,44	−11,6	0	+1		
27	+0,991	+ 9,1	− 7,71	−13,8	−1	+1		
Oct. 7	+1,100	+12,9	− 9,19	−15,9	−1	+1		
17	+1,249	+17,0	−10,89	−18,0	−2	+2		
27	+1,439	+20,9	−12,78	−19,8	−2	+2		
Nov. 6	+1,667	+24,7	−14,84	−21,2	−3	+2		
16	+1,932	+28,1	−17,01	−22,1	−3	+2		
26	+2,229	+30,9	−19,25	−22,5	−4	+2		
Dec. 6	+2,549	+32,8	−21,50	−22,2	−4	+2		
16	+2,885	+33,8	−23,68	−21,2	−4	+2		
26	+3,225	+33,7	−25,74	−19,6	−4	+2		
36	+3,559	+32,6	−27,59	−17,3	−4	+1		

Diei reducto addendum est:

ante / post } Sept. 16 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *β Virginis.*

		h ′ ″	s ′ ″
1770	Jan. 0	11 38 43,876	+ 3 3 30,20
	Apr. 10	43,844	30,32
	Jul. 19	43,804	30,49
	Oct. 27	43,755	30,72
	Dec. 66	43,699	31,00
1771	Jan. 0	11 38 46,844	+ 3 3 10,62
	Apr. 10	46,783	10,94
	Jul. 19	46,715	11,31
	Oct. 27	46,642	11,72
	Dec. 66	46,562	12,18
1772	Jan. 1	11 38 49,714	+ 3 2 51,74
	Apr. 10	49,631	52,23
	Jul. 19	49,544	52,75
	Oct. 27	49,454	53,30
	Dec. 66	49,360	53,88
1773	Jan. 0	11 38 52,516	+ 3 2 33,41
	Apr. 10	52,420	34,00
	Jul. 19	52,324	34,61
	Oct. 27	52,228	35,23
	Dec. 66	52,131	35,87
1774	Jan. 0	11 38 55,288	+ 3 2 15,38
	Apr. 10	55,191	16,02
	Jul. 19	55,097	16,65
	Oct. 27	55,006	17,27
	Dec. 66	54,918	17,88
1775	Jan. 0	11 38 58,072	+ 3 1 57,40
	Apr. 10	57,986	58,00
	Jul. 19	57,906	58,57
	Oct. 27	57,831	59,11
	Dec. 66	57,762	59,62
1776	Jan. 1	11 39 0,909	+ 3 1 39,18
	Apr. 10	0,844	39,67
	Jul. 19	0,787	40,12
	Oct. 27	0,737	40,52
	Dec. 66	0,695	40,88
1777	Jan. 0	11 39 3,833	+ 3 1 20,49
	Apr. 10	3,796	20,81
	Jul. 19	3,768	21,08
	Oct. 27	3,748	21,30
	Dec. 66	3,737	21,47
1778	Jan. 0	11 39 6,865	+ 3 1 1,14
	Apr. 10	6,860	1,27
	Jul. 19	6,863	1,34
	Oct. 27	6,876	1,35
	Dec. 66	6,897	1,31
1779	Jan. 0	11 39 10,014	+ 3 0 41,05
	Apr. 10	10,041	40,97
	Jul. 19	10,075	40,84
	Oct. 27	10,117	40,65
	Dec. 66	10,166	40,41
1780	Jan. 1	11 39 13,274	+ 3 3 0 20,22
	Apr. 10	13,328	19,94
	Jul. 19	13,389	19,62
	Oct. 27	13,455	19,25
	Dec. 66	13,528	18,84
1781	Jan. 0	11 39 16,628	+ 2 59 58,71
	Apr. 10	16,704	58,28
	Jul. 19	16,784	57,81
	Oct. 27	16,868	57,31
	Dec. 66	16,955	56,77
1782	Jan. 0	11 39 20,050	+ 2 59 36,68
	Apr. 10	20,139	36,13
	Jul. 19	20,229	35,57
	Oct. 27	20,321	34,99
	Dec. 66	20,414	34,39
1783	Jan. 0	11 39 23,507	+ 2 59 14,31
	Apr. 10	23,600	13,71
	Jul. 19	23,692	13,11
	Oct. 27	23,782	12,51
	Dec. 66	23,870	11,91
1784	Jan. 1	11 39 26,965	+ 2 58 51,83
	Apr. 10	27,052	51,24
	Jul. 19	27,135	50,67
	Oct. 27	27,214	50,11
	Dec. 66	27,288	49,57
1785	Jan. 0	11 39 30,388	+ 2 58 29,47
	Apr. 10	30,460	28,95
	Jul. 19	30,525	28,47
	Oct. 27	30,584	28,02
	Dec. 66	30,637	27,60
1786	Jan. 0	11 39 33,745	+ 2 58 7,45
	Apr. 10	33,793	7,06
	Jul. 19	33,833	6,72
	Oct. 27	33,866	6,43
	Dec. 66	33,891	6,18
1787	Jan. 0	11 39 37,008	+ 2 57 45,98
	Apr. 10	37,027	45,77
	Jul. 19	37,038	45,62
	Oct. 27	37,040	45,51
	Dec. 66	37,033	45,45
1788	Jan. 1	11 39 40,161	+ 2 57 25,19
	Apr. 10	40,147	25,18
	Jul. 19	40,127	25,22
	Oct. 27	40,096	25,33
	Dec. 66	40,059	25,49
1789	Jan. 0	11 39 43,197	+ 2 57 5,15
	Apr. 10	43,153	5,30
	Jul. 19	43,102	5,61
	Oct. 27	43,043	5,91
	Dec. 66	42,977	6,27

Tabulae X. Sect. II. *β Virginis.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″	″	″		h ′ ″	° ′ ″
Jan. 0	+0,352	+32,5	− 2,60	−20,8	−3	+2	1770	11 38 42,8917	+ 3 3 36,849
10	+0,669	+30,6	− 4,62	−19,4	−3	+2	1771	38 46,0164	3 16,576
20	+0,963	+27,8	− 6,48	−17,5	−3	+2	1772	38 49,1411	2 56,303
30	+1,224	+24,3	− 8,12	−15,2	−2	+1	1773	38 52,2658	2 36,030
Febr. 9	+1,448	+20,3	− 9,51	−12,6	−2	+1	1774	38 55,3905	2 15,756
							1775	38 58,5153	1 55,482
19	+1,629	+16,0	−10,63	− 9,8	−1	+1	1776	39 1,6400	1 35,208
Mart. 1	+1,767	+11,7	−11,46	− 6,9	−1	0	1777	39 4,7647	1 14,933
11	+1,862	+ 7,5	−12,01	− 4,3	0	0	1778	39 7,8894	0 54,658
21	+1,916	+ 3,6	−12,32	− 1,9	0	−1	1779	39 11,0141	0 34,383
31	+1,934	+ 0,2	−12,39	+ 0,3	+1	−1	1780	39 14,1387	0 14,108
							1781	39 17,2634	2 59 53,832
Apr. 10	+1,920	− 2,8	−12,27	+ 2,0	+1	−1	1782	39 20,3881	59 33,556
20	+1,879	− 5,1	−11,99	+ 3,4	+2	−1	1783	39 23,5128	59 13,279
30	+1,819	− 6,8	−11,59	+ 4,5	+2	−2	1784	39 26,6375	58 53,002
Maj. 10	+1,744	− 8,1	−11,09	+ 5,3	+2	−2	1785	39 29,7620	58 32,724
20	+1,657	− 9,0	−10,54	+ 5,8	+3	−2	1786	39 32,8867	58 12,446
							1787	39 36,0113	57 52,168
30	+1,565	− 9,4	− 9,94	+ 6,1	+3	−2	1788	39 39,1359	57 31,890
Jun. 9	+1,470	− 9,5	− 9,33	+ 6,1	+3	−2	1789	39 42,2606	57 11,611
19	+1,376	− 9,3	− 8,73	+ 6,0	+3	−2	1790	39 45,3852	56 51,333
29	+1,284	− 8,9	− 8,14	+ 5,7	+3	−2			
Jul. 9	+1,198	− 8,2	− 7,59	+ 5,3	+3	−2			
19	+1,120	− 7,3	− 7,09	+ 4,7	+3	−2			
29	+1,052	− 6,1	− 6,66	+ 3,8	+2	−1			
Aug. 8	+0,999	− 4,5	− 6,33	+ 2,8	+2	−1			
18	+0,962	− 2,6	− 6,11	+ 1,5	+2	−1			
28	+0,947	− 0,3	− 6,03	− 0,1	+1	−1			
Sept. 7	+0,956	+ 2,4	− 6,12	− 1,9	+1	−1			
17	+0,995	+ 5,6	− 6,41	− 4,0	0	0			
27	+1,067	+ 9,1	− 6,92	− 6,4	0	0			
Oct. 7	+1,176	+12,9	− 7,68	− 8,9	−1	0			
17	+1,324	+16,8	− 8,70	−11,5	−1	+1			
27	+1,512	+20,7	− 9,97	−14,0	−2	+1			
Nov. 6	+1,738	+24,4	−11,49	−16,4	−2	+1			
16	+2,000	+27,8	−13,24	−18,4	−3	+2			
26	+2,293	+30,4	−15,17	−20,1	−3	+2			
Dec. 6	+2,608	+32,3	−17,25	−21,2	−3	+2			
16	+2,938	+33,2	−19,40	−21,5	−3	+2			
26	+3,272	+33,0	−21,55	−21,3	−3	+2			
36	+3,598	+31,9	−23,65	−20,4	−3	+2			

Diei reducto addendum est:

ante / post } Sept. 16 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *a Virginis.*

		h ′ ″	° ′ ″
1770	Jan. 0	13 13 7,306	— 9 57 19,78
	Apr. 10	7,284	19,35
	Jul. 19	7,254	18,88
	Oct. 27	7,216	18,37
	Dec. 66	7,169	17,82
1771	Jan. 0	13 13 10,325	— 9 57 37,11
	Apr. 10	10,273	36,54
	Jul. 19	10,213	35,94
	Oct. 27	10,146	35,33
	Dec. 66	10,072	34,69
1772	Jan. 1	13 13 13,237	— 9 57 54,00
	Apr. 10	13,159	53,35
	Jul. 19	13,076	52,71
	Oct. 27	12,988	52,06
	Dec. 66	12,896	51,40
1773	Jan. 0	13 13 16,067	— 9 58 10,72
	Apr. 10	15,972	10,08
	Jul. 19	15,876	9,45
	Oct. 27	15,778	8,85
	Dec. 66	15,678	8,26
1774	Jan. 0	13 13 18,851	— 9 58 27,55
	Apr. 10	18,751	26,98
	Jul. 19	18,653	26,45
	Oct. 27	18,556	25,96
	Dec. 66	18,461	25,51
1775	Jan. 0	13 13 21,633	— 9 58 44,75
	Apr. 10	21,540	44,33
	Jul. 19	21,451	43,97
	Oct. 27	21,367	43,65
	Dec. 66	21,288	43,39
1776	Jan. 1	13 13 24,454	— 9 59 2,57
	Apr. 10	24,379	2,35
	Jul. 19	24,311	2,18
	Oct. 27	24,250	2,08
	Dec. 66	24,196	2,03
1777	Jan. 0	13 13 27,353	— 9 59 21,14
	Apr. 10	27,304	21,13
	Jul. 19	27,264	21,19
	Oct. 27	27,232	21,30
	Dec. 66	27,209	21,48
1778	Jan. 0	13 13 30,357	— 9 59 40,51
	Apr. 10	30,340	40,72
	Jul. 19	30,331	40,99
	Oct. 27	30,332	41,30
	Dec. 66	30,341	41,67
1779	Jan. 0	13 13 33,478	— 10 0 0,63
	Apr. 10	33,493	1,03
	Jul. 19	33,517	1,47
	Oct. 27	33,549	1,95
	Dec. 66	33,589	2,46
1780	Jan. 1	13 13 36,715	— 10 0 21,38
	Apr. 10	36,761	21,92
	Jul. 19	36,814	22,48
	Oct. 27	36,874	23,06
	Dec. 66	36,940	23,67
1781	Jan. 0	13 13 40,058	— 10 0 42,55
	Apr. 10	40,128	43,17
	Jul. 19	40,203	43,79
	Oct. 27	40,283	44,41
	Dec. 66	40,368	45,04
1782	Jan. 0	13 13 43,480	— 10 1 3,92
	Apr. 10	43,568	4,54
	Jul. 19	43,658	5,15
	Oct. 27	43,750	5,75
	Dec. 66	43,844	6,34
1783	Jan. 0	13 13 46,953	— 10 1 25,23
	Apr. 10	47,048	25,80
	Jul. 19	47,143	26,34
	Oct. 27	47,237	26,85
	Dec. 66	47,330	27,33
1784	Jan. 1	13 13 50,440	— 10 1 46,25
	Apr. 10	50,533	46,71
	Jul. 19	50,623	47,12
	Oct. 27	50,709	47,49
	Dec. 66	50,793	47,81
1785	Jan. 0	13 13 53,907	— 10 2 6,79
	Apr. 10	53,987	7,08
	Jul. 19	54,062	7,31
	Oct. 27	54,131	7,50
	Dec. 66	54,195	7,63
1786	Jan. 0	13 13 57,316	— 10 2 26,67
	Apr. 10	57,375	26,76
	Jul. 19	57,428	26,80
	Oct. 27	57,473	26,77
	Dec. 66	57,511	26,69
1787	Jan. 0	13 14 0,639	— 10 2 45,80
	Apr. 10	0,670	45,68
	Jul. 19	0,693	45,51
	Oct. 27	0,707	45,28
	Dec. 66	0,713	44,99
1788	Jan. 1	13 14 3,854	— 10 3 4,17
	Apr. 10	3,853	3,84
	Jul. 19	3,843	3,47
	Oct. 27	3,824	3,05
	Dec. 66	3,796	2,59
1789	Jan. 0	13 14 6,948	— 10 3 21,82
	Apr. 10	6,915	21,34
	Jul. 19	6,873	20,80
	Oct. 27	6,823	20,24
	Dec. 66	6,765	19,65

Tabulae X. Sect. II. *a Virginis.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″				h ′ ″	° ′ ″
Jan. 0	−0,191	+33,4	+ 2,13	−20,2	−3	+2	1770	13 13 6,2634	− 9 57 14,425
10	+0,148	+33,1	+ 0,08	−20,5	−3	+2	1771	13 9,4032	57 33,528
20	+0,470	+31,9	− 1,96	−20,1	−3	+2	1772	13 12,5431	57 52,628
30	+0,780	+29,8	− 3,94	−19,2	−3	+2	1773	13 15,6831	58 11,728
Febr. 9	+1,065	+27,0	− 5,80	−17,8	−2	+2	1774	13 18,8232	58 30,826
							1775	13 21,9634	58 49,923
19	+1,319	+23,8	− 7,49	−15,9	−2	+2	1776	13 25,1037	59 9,018
Mart. 1	+1,540	+20,3	− 8,98	−13,8	−2	+2	1777	13 28,2442	59 28,112
11	+1,724	+16,6	−10,24	−11,5	−1	+2	1778	13 31,3848	59 47,204
21	+1,872	+13,1	−11,27	− 9,2	0	+2	1779	13 34,5255	−10 0 6,295
31	+1,986	+ 9,7	−12,08	− 7,0	0	+1	1780	13 37,6663	0 25,384
							1781	13 40,8072	0 44,472
Apr. 10	+2,066	+ 6,6	−12,66	− 4,9	+1	+1	1782	13 43,9482	1 3,558
20	+2,117	+ 3,8	−13,05	− 3,0	+1	+1	1783	13 47,0893	1 22,642
30	+2,141	+ 1,2	−13,25	− 1,3	+2	+1	1784	13 50,2305	1 41,725
Maj. 10	+2,140	− 1,2	−13,30	+ 0,2	+2	0	1785	13 53,3719	2 0,806
20	+2,118	− 3,2	−13,21	+ 1,6	+3	0	1786	13 56,5134	2 19,886
							1787	13 59,6550	2 38,964
30	+2,076	− 5,1	−12,99	+ 2,7	+3	0	1788	14 2,7967	2 58,041
Jun. 9	+2,017	− 6,6	−12,68	+ 3,6	+3	0	1789	14 5,9385	3 17,116
19	+1,944	− 8,0	−12,28	+ 4,4	+3	−1	1790	14 9,0804	3 36,190
29	+1,857	− 9,3	−11,81	+ 5,1	+4	−1			
Jul. 9	+1,759	−10,2	−11,27	+ 5,6	+4	−1			
19	+1,653	−10,8	−10,69	+ 6,0	+4	−1			
29	+1,543	−11,0	−10,07	+ 6,3	+3	−1			
Aug. 8	+1,433	−10,8	− 9,44	+ 6,3	+3	−1			
18	+1,328	−10,0	− 8,82	+ 6,0	+3	−1			
28	+1,234	− 8,6	− 8,24	+ 5,5	+3	−1			
Sept. 7	+1,157	− 6,5	− 7,73	+ 4,6	+2	−1			
17	+1,104	− 3,8	− 7,33	+ 3,3	+2	−1			
27	+1,082	− 0,4	− 7,08	+ 1,6	+1	0			
Oct. 7	+1,096	+ 3,6	− 7,02	− 0,6	+1	0			
17	+1,153	+ 8,0	− 7,19	− 3,0	0	0			
27	+1,255	+12,6	− 7,61	− 5,6	0	+1			
Nov. 6	+1,404	+17,2	− 8,31	− 8,4	−1	+1			
16	+1,599	+21,7	− 9,29	−11,3	−1	+2			
26	+1,837	+25,7	−10,56	−13,9	−1	+2			
Dec. 6	+2,112	+29,0	−12,07	−16,3	−2	+3			
16	+2,417	+31,5	−13,81	−18,2	−2	+3			
26	+2,741	+32,9	−15,71	−19,6	−2	+3			
36	+3,075	+33,4	−17,72	−20,4	−2	+4			

Diei reducto addendum est:

ante / post } Oct. 12 { + 1 / + 2

In mensa. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *α Bootis.*

1770	Jan. 0	14 5 11,506	+20 23 14,37	1780	Jan. 1	14 5 37,258	+20 20 10,06
	Apr. 10	11,462	14,95		Apr. 10	37,320	9,41
	Jul. 19	11,412	15,55		Jul. 19	37,387	8,76
	Oct. 27	11,355	16,18		Oct. 27	37,458	8,10
	Dec. 66	11,291	16,84		Dec. 66	37,534	7,43
1771	Jan. 0	14 5 14,045	+20 22 57,50	1781	Jan. 0	14 5 40,240	+20 19 48,56
	Apr. 10	13,977	58,17		Apr. 10	40,319	47,88
	Jul. 19	13,905	58,85		Jul. 19	40,400	47,22
	Oct. 27	13,828	59,54		Oct. 27	40,483	46,57
	Dec. 66	13,746	23 0,23		Dec. 66	40,568	45,94
1772	Jan. 1	14 5 16,505	+20 22 40,89	1782	Jan. 0	14 5 43,271	+20 19 27,06
	Apr. 10	16,421	41,58		Apr. 10	43,357	26,44
	Jul. 19	16,335	42,25		Jul. 19	43,443	25,84
	Oct. 27	16,247	42,91		Oct. 27	43,529	25,28
	Dec. 66	16,156	43,56		Dec. 66	43,614	24,74
1773	Jan. 0	14 5 18,918	+20 22 24,23	1783	Jan. 0	14 5 46,318	+20 19 5,82
	Apr. 10	18,827	24,86		Apr. 10	46,403	5,31
	Jul. 19	18,737	25,45		Jul. 19	46,485	4,85
	Oct. 27	18,648	25,00		Oct. 27	46,564	4,43
	Dec. 66	18,561	26,52		Dec. 66	46,641	4,05
1774	Jan. 0	14 5 21,321	+20 22 7,24	1784	Jan. 1	14 5 49,347	+20 18 45,03
	Apr. 10	21,235	7,73		Apr. 10	49,421	44,74
	Jul. 19	21,152	8,16		Jul. 19	49,491	44,45
	Oct. 27	21,074	8,54		Oct. 27	49,556	44,21
	Dec. 66	20,999	8,87		Dec. 66	49,616	44,03
1775	Jan. 0	14 5 23,755	+20 21 49,66	1785	Jan. 0	14 5 52,329	+20 18 25,00
	Apr. 10	23,683	49,95		Apr. 10	52,385	24,86
	Jul. 19	23,618	50,17		Jul. 19	52,434	24,78
	Oct. 27	23,558	50,34		Oct. 27	52,477	24,76
	Dec. 66	23,505	50,44		Dec. 66	52,514	24,80
1776	Jan. 1	14 5 26,254	+20 21 31,30	1786	Jan. 0	14 5 55,234	+20 18 5,70
	Apr. 10	26,205	31,36		Apr. 10	55,266	5,78
	Jul. 19	26,164	31,35		Jul. 19	55,290	5,92
	Oct. 27	26,131	31,28		Oct. 27	55,306	6,12
	Dec. 66	26,106	31,15		Dec. 66	55,315	6,38
1777	Jan. 0	14 5 28,845	+20 21 12,10	1787	Jan. 0	14 5 58,045	+20 17 47,21
	Apr. 10	28,825	11,92		Apr. 10	58,048	47,51
	Jul. 19	28,814	11,68		Jul. 19	58,043	47,86
	Oct. 27	28,810	11,38		Oct. 27	58,030	48,26
	Dec. 66	28,815	11,02		Dec. 66	58,009	48,72
1778	Jan. 0	14 5 31,545	+20 20 52,04	1788	Jan. 1	14 6 0,748	+20 17 29,43
	Apr. 10	31,555	51,66		Apr. 10	0,722	29,97
	Jul. 19	31,573	51,24		Jul. 19	0,688	30,49
	Oct. 27	31,599	50,76		Oct. 27	0,647	31,06
	Dec. 66	31,633	50,25		Dec. 66	0,598	31,65
1779	Jan. 0	14 5 34,353	+20 20 31,31	1789	Jan. 0	14 6 3,347	+20 17 12,38
	Apr. 10	34,392	30,76		Apr. 10	3,293	13,00
	Jul. 19	34,437	30,19		Jul. 19	3,233	13,64
	Oct. 27	34,488	29,58		Oct. 27	3,168	14,31
	Dec. 66	34,546	28,95		Dec. 66	3,096	14,99

Tabulae X. Sect. II. *a Bootis.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″				h ′ ″	° ′ ″
Jan. 0	−0,534	+32,3	− 7,64	−24,3	−3	+2	1770	14 5 10,6508	+20 23 18,597
10	−0,208	+32,9	− 9,95	−21,6	−3	+2	1771	5 13,3825	22 59,482
20	+0,124	+33,0	−11,96	−18,3	−3	+2	1772	5 16,1142	22 40,368
30	+0,451	+32,0	−13,60	−14,4	−3	+2	1773	5 18,8459	22 21,256
Febr. 9	+0,763	+30,1	−14,83	−10,1	−3	+1	1774	5 21,5776	22 2,146
							1775	5 24,3093	21 43,038
19	+1,053	+27,6	−15,61	− 5,6	−3	+1	1776	5 27,0410	21 23,932
Mart. 1	+1,314	+24,6	−15,95	− 1,2	−2	+1	1777	5 29,7727	21 4,829
11	+1,544	+21,3	−15,85	+ 3,0	−2	0	1778	5 32,5045	20 45,728
21	+1,739	+17,7	−15,35	+ 6,8	−2	0	1779	5 35,2363	20 26,629
31	+1,898	+14,2	−14,50	+10,0	−1	0	1780	5 37,9681	20 7,532
							1781	5 40,6999	19 48,437
Apr. 10	+2,022	+10,7	−13,36	+12,6	−1	−1	1782	5 43,4317	19 29,344
20	+2,112	+ 7,4	−11,99	+14,4	0	−1	1783	5 46,1635	19 10,254
30	+2,170	+ 4,3	−10,48	+15,5	0	−1	1784	5 48,8953	18 51,166
Maj. 10	+2,198	+ 1,4	− 8,89	+16,0	+1	−1	1785	5 51,6272	18 32,080
20	+2,198	− 1,3	− 7,29	+15,7	+1	−1	1786	5 54,3591	18 12,996
							1787	5 57,0910	17 53,914
30	+2,172	− 3,8	− 5,75	+14,9	+1	−1	1788	5 59,8229	17 34,835
Jun. 9	+2,122	− 6,1	− 4,31	+13,7	+2	−1	1789	6 2,5548	17 15,757
19	+2,050	− 8,2	− 3,02	+11,9	+2	−1	1790	6 5,2867	16 56,682
29	+1,958	−10,1	− 1,93	+ 9,9	+2	−1			
Jul. 9	+1,849	−11,7	− 1,05	+ 7,6	+3	−1			
19	+1,725	−12,9	− 0,42	+ 5,1	+3	0			
29	+1,591	−13,8	− 0,04	+ 2,4	+3	0			
Aug. 8	+1,449	−14,3	+ 0,06	− 0,4	+3	0			
18	+1,306	−14,1	− 0,12	− 3,3	+3	0			
28	+1,168	−13,3	− 0,59	− 6,2	+3	+1			
Sept. 7	+1,040	−11,9	− 1,35	− 9,1	+2	+1			
17	+0,931	− 9,7	− 2,41	−12,0	+2	+2			
27	+0,847	− 6,8	− 3,75	−14,9	+2	+2			
Oct. 7	+0,796	− 3,1	− 5,38	−17,7	+1	+2			
17	+0,785	+ 1,2	− 7,28	−20,3	+1	+3			
27	+0,819	+ 5,8	− 9,44	−22,7	0	+3			
Nov. 6	+0,900	+10,7	−11,82	−24,7	0	+4			
16	+1,032	+15,7	−14,37	−26,2	−1	+4			
26	+1,213	+20,3	−17,06	−27,2	−1	+4			
Dec. 6	+1,438	+24,6	−19,80	−27,4	−2	+4			
16	+1,704	+28,1	−22,54	−26,9	−2	+5			
26	+2,000	+30,8	−25,18	−25,5	−2	+5			
36	+2,319	+32,5	−27,64	−23,4	−3	+4			

Diei reducto addendum est:

ante } Oct. 26 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. 1a *Librae.*

1770	Jan. 0	14 38	1,200	— 15	1 42,56	1780	Jan. 1	14 38 32,017	— 15 4 13,07
	Apr. 10		1,179		41,90		Apr. 10	32,063	13,77
	Jul. 19		1,150		41,23		Jul. 19	32,117	14,47
	Oct. 27		1,111		40,54		Oct. 27	32,178	15,17
	Dec. 66		1,063		39,83		Dec. 66	32,247	15,86
1771	Jan. 0	14 38	4,372	— 15	1 55,62	1781	Jan. 0	14 38 35,516	— 15 4 31,16
	Apr. 10		4,318		54,91		Apr. 10	35,589	31,85
	Jul. 19		4,256		54,19		Jul. 19	35,667	32,52
	Oct. 27		4,187		53,48		Oct. 27	35,750	33,16
	Dec. 66		4,111		52,77		Dec. 66	35,839	33,79
1772	Jan. 1	14 38	7,429	— 15	2 8,56	1782	Jan. 0	14 38 39,102	— 15 4 49,11
	Apr. 10		7,348		7,86		Apr. 10	39,193	49,71
	Jul. 19		7,261		7,19		Jul. 19	39,287	50,28
	Oct. 27		7,170		6,54		Oct. 27	39,383	50,80
	Dec. 66		7,073		5,92		Dec. 66	39,482	51,30
1773	Jan. 0	14 38	10,398	— 15	2 21,67	1783	Jan. 0	14 38 42,742	— 15 5 6,66
	Apr. 10		10,299		21,07		Apr. 10	42,842	7,12
	Jul. 19		10,198		20,52		Jul. 19	42,941	7,53
	Oct. 27		10,095		20,02		Oct. 27	43,040	7,88
	Dec. 66		9,990		19,56		Dec. 66	43,139	8,19
1774	Jan. 0	14 38	13,317	— 15	2 35,26	1784	Jan. 1	14 38 46,399	— 15 5 23,61
	Apr. 10		13,212		34,83		Apr. 10	46,497	23,87
	Jul. 19		13,109		34,47		Jul. 19	46,592	24,08
	Oct. 27		13,007		34,17		Oct. 27	46,684	24,22
	Dec. 66		12,906		33,93		Dec. 66	46,772	24,30
1775	Jan. 0	14 38	16,232	— 15	2 49,54	1785	Jan. 0	14 38 50,037	— 15 5 39,80
	Apr. 10		16,133		49,35		Apr. 10	50,122	39,84
	Jul. 19		16,039		49,22		Jul. 19	50,202	39,82
	Oct. 27		15,950		49,16		Oct. 27	50,276	39,73
	Dec. 66		15,866		49,16		Dec. 66	50,344	39,53
1776	Jan. 1	14 38	19,186	— 15	3 4,69	1786	Jan. 0	14 38 53,616	— 15 5 55,15
	Apr. 10		19,106		4,74		Apr. 10	53,680	54,96
	Jul. 19		19,033		4,86		Jul. 19	53,736	54,71
	Oct. 27		18,967		5,04		Oct. 27	53,784	54,40
	Dec. 66		18,909		5,29		Dec. 66	53,825	54,03
1777	Jan. 0	14 38	22,220	— 15	3 20,74	1787	Jan. 0	14 38 57,106	— 15 6 9,67
	Apr. 10		22,167		21,03		Apr. 10	57,141	9,26
	Jul. 19		22,123		21,37		Jul. 19	57,167	8,81
	Oct. 27		22,088		21,77		Oct. 27	57,183	8,31
	Dec. 66		22,062		22,23		Dec. 66	57,190	7,76
1778	Jan. 0	14 38	25,362	— 15	3 37,61	1788	Jan. 1	14 39 0,483	— 15 6 23,45
	Apr. 10		25,342		38,10		Apr. 10	0,484	22,87
	Jul. 19		25,332		38,63		Jul. 19	0,476	22,26
	Oct. 27		25,331		39,20		Oct. 27	0,458	21,62
	Dec. 66		25,339		39,81		Dec. 66	0,430	20,95
1779	Jan. 0	14 38	28,628	— 15	3 55,13	1789	Jan. 0	14 39 3,735	— 15 6 36,68
	Apr. 10		28,643		55,77		Apr. 10	3,701	35,99
	Jul. 19		28,666		56,42		Jul. 19	3,658	35,29
	Oct. 27		28,698		57,09		Oct. 27	3,607	34,58
	Dec. 66		28,738		57,77		Dec. 66	3,548	33,85

Tabulae X. Sect. II. 1a *Librae.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″				h ′ ″	° ′ ″
Jan. 0	−0,674	+31,7	+ 3,41	−15,5	−3	+1	1770	14 38 0,1012	− 15 1 39,152
10	−0,349	+32,9	+ 1,80	−16,4	−3	+1	1771	38 3,3927	1 54,711
20	−0,016	+33,2	+ 0,13	−16,8	−3	+2	1772	38 6,6844	2 10,266
30	+0,315	+32,6	− 1,56	−16,7	−3	+2	1773	38 9,9763	2 25,819
Febr. 9	+0,636	+31,2	− 3,20	−16,0	−3	+2	1774	38 13,2683	2 41,368
							1775	38 16,5605	2 56,914
19	+0,939	+29,2	− 4,75	−14,8	−3	+2	1776	38 19,8528	3 12,457
Mart. 1	+1,220	+26,8	− 6,16	−13,3	−2	+2	1777	38 23,1453	3 27,997
11	+1,475	+24,1	− 7,41	−11,6	−2	+3	1778	38 26,4379	3 43,534
21	+1,702	+21,3	− 8,48	− 9,8	−1	+3	1779	38 29,7307	3 59,067
31	+1,900	+18,4	− 9,36	− 7,9	−1	+3	1780	38 33,0237	4 14,598
							1781	38 36,3168	4 30,125
Apr. 10	+2,069	+15,4	−10,06	− 6,2	0	+2	1782	38 39,6101	4 45,650
20	+2,208	+12,6	−10,59	− 4,5	0	+2	1783	38 42,9035	5 1,171
30	+2,320	+ 9,8	−10,96	− 3,0	+1	+2	1784	38 46,1971	5 16,689
Maj. 10	+2,403	+ 6,9	−11,19	− 1,7	+1	+2	1785	38 49,4908	5 32,204
20	+2,458	+ 4,2	−11,30	− 0,6	+2	+2	1786	38 52,7847	5 47,716
							1787	38 56,0787	6 3,225
30	+2,487	+ 1,6	−11,31	+ 0,4	+2	+2	1788	38 59,3729	6 18,730
Jun. 9	+2,489	− 1,2	−11,23	+ 1,5	+3	+2	1789	39 2,6673	6 34,233
19	+2,464	− 3,8	−11,06	+ 2,0	+3	+1	1790	39 5,9618	6 49,782
29	+2,414	− 6,3	−10,83	+ 2,7	+4	+1			
Jul. 9	+2,339	− 8,6	−10,52	+ 3,4	+4	+1			
19	+2,242	−10,6	−10,16	+ 3,9	+4	+1			
29	+2,127	−12,2	− 9,74	+ 4,4	+4	+1			
Aug. 8	+1,998	−13,4	− 9,28	+ 4,9	+4	0			
18	+1,860	−13,9	− 8,77	+ 5,1	+4	0			
28	+1,720	−13,7	− 8,25	+ 5,2	+4	0			
Sept. 7	+1,586	−12,7	− 7,73	+ 5,0	+3	0			
17	+1,467	−10,8	− 7,25	+ 4,5	+3	0			
27	+1,370	− 8,1	− 6,83	+ 3,7	+3	0			
Oct. 7	+1,305	− 4,6	− 6,51	+ 2,5	+2	0			
17	+1,279	− 0,4	− 6,33	+ 0,9	+2	+1			
27	+1,298	+ 4,4	− 6,34	− 1,1	+1	+1			
Nov. 6	+1,367	+ 9,4	− 6,55	− 3,3	+1	+1			
16	+1,486	+14,5	− 6,99	− 5,7	0	+2			
26	+1,657	+19,4	− 7,69	− 8,2	0	+2			
Dec. 6	+1,874	+23,8	− 8,63	−10,6	−1	+3			
16	+2,132	+27,5	− 9,81	−12,8	−1	+3			
26	+2,424	+30,4	−11,18	−14,5	−1	+4			
36	+2,739	+32,3	−12,71	−15,9	−2	+4			

Diei reducto addendum est:

ante } Nov. 4 { + 1
post } { + 2

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. 2a *Librae*.

1770	Jan. 0	14 38 12,463	— 15 4 25,82	1780	Jan. 1	14 38 43,299	— 15 6 56,05
	Apr. 10	12,443	25,16		Apr. 10	43,345	56,75
	Jul. 19	12,413	24,49		Jul. 19	43,399	57,45
	Oct. 27	12,374	23,80		Oct. 27	43,460	58,14
	Dec. 66	12,326	23,08		Dec. 66	43,529	58,84
1771	Jan. 0	14 38 15,637	— 15 4 38,85	1781	Jan. 0	14 38 46,800	— 15 7 14,11
	Apr. 10	15,583	38,13		Apr. 10	46,873	14,79
	Jul. 19	15,522	37,42		Jul. 19	46,951	15,46
	Oct. 27	15,453	36,71		Oct. 27	47,034	16,11
	Dec. 66	15,376	36,00		Dec. 66	47,123	16,74
1772	Jan. 1	14 38 18,696	— 15 4 51,76	1782	Jan. 0	14 38 50,388	— 15 7 32,02
	Apr. 10	18,615	51,06		Apr. 10	50,479	32,63
	Jul. 19	18,529	50,39		Jul. 19	50,573	33,20
	Oct. 27	18,438	49,74		Oct. 27	50,669	33,73
	Dec. 66	18,341	49,11		Dec. 66	50,768	34,22
1773	Jan. 0	14 38 21,667	— 15 5 4,84	1783	Jan. 0	14 38 54,030	— 15 7 49,55
	Apr. 10	21,568	4,25		Apr. 10	54,230	50,01
	Jul. 19	21,467	3,69		Jul. 19	54,229	50,42
	Oct. 27	21,364	3,19		Oct. 27	54,328	50,77
	Dec. 66	21,259	2,78		Dec. 66	54,427	51,07
1774	Jan. 0	14 38 24,589	— 15 5 18,39	1784	Jan. 1	14 38 57,690	— 15 8 6,47
	Apr. 10	24,484	17,97		Apr. 10	57,788	6,73
	Jul. 19	24,380	17,61		Jul. 19	57,882	6,93
	Oct. 27	24,278	17,31		Oct. 27	57,974	7,03
	Dec. 66	24,177	17,07		Dec. 66	58,063	7,16
1775	Jan. 0	14 38 27,505	— 15 5 32,66	1785	Jan. 0	14 39 1,329	— 15 8 22,62
	Apr. 10	27,406	32,46		Apr. 10	1,415	22,66
	Jul. 19	27,312	32,33		Jul. 19	1,495	22,64
	Oct. 27	27,225	32,27		Oct. 27	1,569	22,55
	Dec. 66	27,139	32,27		Dec. 66	1,637	22,41
1776	Jan. 1	14 38 30,461	— 15 5 47,78	1786	Jan. 0	14 39 4,911	— 15 8 37,94
	Apr. 10	30,381	47,83		Apr. 10	4,975	37,75
	Jul. 19	30,308	47,95		Jul. 19	5,031	37,50
	Oct. 27	30,242	48,13		Oct. 27	5,079	37,19
	Dec. 66	30,183	48,38		Dec. 66	5,120	36,82
1777	Jan. 0	14 38 33,497	— 15 6 3,80	1787	Jan. 0	14 39 8,403	— 15 8 52,43
	Apr. 10	33,444	4,09		Apr. 10	8,438	52,02
	Jul. 19	33,400	4,43		Jul. 19	8,463	51,57
	Oct. 27	33,365	4,83		Oct. 27	8,480	51,07
	Dec. 66	33,338	5,29		Dec. 66	8,487	50,52
1778	Jan. 0	14 38 36,641	— 15 6 20,64	1788	Jan. 1	14 39 11,782	— 15 9 6,18
	Apr. 10	36,621	21,13		Apr. 10	11,783	5,60
	Jul. 19	36,610	21,66		Jul. 19	11,774	4,99
	Oct. 27	36,609	22,23		Oct. 27	11,755	4,35
	Dec. 66	36,617	22,84		Dec. 66	11,727	3,68
1779	Jan. 0	14 38 39,908	— 15 6 38,13	1789	Jan. 0	14 39 15,035	— 15 9 19,38
	Apr. 10	39,923	38,77		Apr. 10	15,001	18,69
	Jul. 19	39,946	39,42		Jul. 19	14,959	17,99
	Oct. 27	39,978	40,09		Oct. 27	14,908	17,27
	Dec. 66	40,019	40,78		Dec. 66	14,848	16,55

Tabulae X. Sect. II. 2a *Libræ.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	′	″	′	″	″	″		h ′ ″	° ′ ″
Jan. 0	−0,675	+31,7	+ 3,42	−15,4	−3	+1	1770	14 38 11,3642	− 15 4 22,416
10	−0,350	+32,9	+ 1,81	−16,4	−3	+1	1771	38 14,6577	4 37,945
20	−0,017	+33,2	+ 0,14	−16,8	−3	+2	1772	38 17,9514	4 53,471
30	+0,314	+32,6	− 1,54	−16,6	−3	+2	1773	38 21,2452	5 8,994
Febr. 9	+0,635	+31,2	− 3,18	−16,0	−3	+2	1774	38 24,5392	5 24,514
							1775	38 27,8334	5 40,031
19	+0,938	+29,3	− 4,78	−14,8	−3	+2	1776	38 31,1277	5 55,545
Mart. 1	+1,220	+26,9	− 6,14	−13,3	−2	+2	1777	38 34,4222	6 11,056
11	+1,475	+24,1	− 7,39	−11,6	−2	+3	1778	38 37,7168	6 26,563
21	+1,702	+21,3	− 8,46	− 9,8	−1	+3	1779	38 41,0116	6 42,067
31	+1,900	+18,4	− 9,35	− 8,0	−1	+3	1780	38 44,3064	6 57,568
							1781	38 47,6015	7 13,066
Apr. 10	+2,069	+15,5	−10,05	− 6,2	0	+2	1782	38 50,8967	7 28,561
20	+2,209	+12,6	−10,58	− 4,5	0	+2	1783	38 54,1921	7 44,053
30	+2,320	+ 9,8	−10,95	− 3,0	+1	+2	1784	38 57,4876	7 59,541
Mai. 10	+2,404	+ 7,0	−11,18	− 1,7	+1	+2	1785	39 0,7833	8 15,027
20	+2,460	+ 4,3	−11,29	− 0,6	+2	+2	1786	39 4,0791	8 30,509
							1787	39 7,3751	8 45,988
30	+2,489	+ 1,5	−11,30	+ 0,4	+2	+2	1788	39 10,6712	9 1,464
Jun. 9	+2,490	− 1,2	−11,22	+ 1,2	+3	+2	1789	39 13,9675	9 16,937
19	+2,466	− 3,7	−11,06	+ 2,0	+3	+1	1790	39 17,2640	9 32,408
29	+2,416	− 6,3	−10,82	+ 2,7	+4	+1			
Jul. 9	+2,341	− 8,6	−10,52	+ 3,3	+4	+1			
19	+2,245	−10,6	−10,16	+ 3,9	+4	+1			
29	+2,129	−12,3	− 9,74	+ 4,5	+4	+1			
Aug. 8	+2,000	−13,4	− 9,27	+ 4,9	+4	0			
18	+1,862	−13,9	− 8,77	+ 5,1	+4	0			
28	+1,722	−13,7	− 8,25	+ 5,2	+4	0			
Sept. 7	+1,588	−12,7	− 7,73	+ 5,1	+3	0			
17	+1,468	−10,8	− 7,24	+ 4,6	+3	0			
27	+1,372	− 8,1	− 6,82	+ 3,7	+3	0			
Oct. 7	+1,307	− 4,6	− 6,50	+ 2,5	+2	0			
17	+1,280	− 0,4	− 6,32	+ 0,9	+2	+1			
27	+1,299	+ 4,4	− 6,32	− 1,1	+1	+1			
Nov. 6	+1,368	+ 9,5	− 6,58	− 3,3	+1	+1			
16	+1,488	+14,5	− 6,97	− 5,7	0	+2			
26	+1,658	+19,4	− 7,66	− 8,2	0	+2			
Dec. 6	+1,875	+23,8	− 8,60	−10,6	−1	+3			
16	+2,133	+27,5	− 9,77	−12,7	−1	+3			
26	+2,425	+30,4	−11,14	−14,5	−1	+4			
36	+2,740	+32,3	−12,67	−15,9	−2	+4			

Diei reducto addendum est:

ante } Nov. 4 { +1
post } { +2

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *a Coronae.*

1770	Jan. 0	15 24	58,119	+27 30	0,19	1780	Jan. 1	15 25	22,083	+27 27	56.18
	Apr. 10		58,078		0,93		Apr. 10		22,141		55,43
	Jul. 19		58,031		1,68		Jul. 19		22,202		54,70
	Oct. 27		57,977		2,41		Oct. 27		22,268		53,98
	Dec. 66		57,918		3,19		Dec. 66		22,338		53,23
1771	Jan. 0	15 25	0,474	+27 29	50,31	1781	Jan. 0	15 25	24,849	+27 27	40.91
	Apr. 10		0,411		51,07		Apr. 10		24,921		40.22
	Jul. 19		0,344		51,81		Jul. 19		24,995		39.57
	Oct. 27		0,273		52,53		Oct. 27		25,071		38.95
	Dec. 66		0,198		53,24		Dec. 66		25,148		38.36
1772	Jan. 1	15 25	2,758	+27 29	40,38	1782	Jan. 0	15 25	27,657	+27 27	25,95
	Apr. 10		2,681		41,07		Apr. 10		27,735		25.39
	Jul. 19		2,602		41,71		Jul. 19		27,813		24.88
	Oct. 27		2,522		42,32		Oct. 27		27,891		24.42
	Dec. 66		2,440		42,89		Dec. 66		27,968		24.02
1773	Jan. 0	15 25	5,004	+27 29	30,08	1783	Jan. 0	15 25	30,478	+27 27	11.55
	Apr. 10		4,921		30,62		Apr. 10		30,554		11.13
	Jul. 19		4,840		31,10		Jul. 19		30,627		10.87
	Oct. 27		4,760		31,52		Oct. 27		30,698		10.63
	Dec. 66		4,681		31,88		Dec. 66		30,767		10,44
1774	Jan. 0	15 25	7,243	+27 29	19,14	1784	Jan. 1	15 25	33,280	+27 26	57.90
	Apr. 10		7,165		19,46		Apr. 10		33,346		57.76
	Jul. 19		7,091		19,71		Jul. 19		33,408		57.69
	Oct. 27		7,021		19,89		Oct. 27		33,465		57.63
	Dec. 66		6,955		20,00		Dec. 66		33,518		57,73
1775	Jan. 0	15 25	9,512	+27 29	7,35	1785	Jan. 0	15 25	36,036	+27 26	45.11
	Apr. 10		9,449		7,41		Apr. 10		36,085		45.21
	Jul. 19		9,391		7,40		Jul. 19		36,128		45.38
	Oct. 27		9,338		7,32		Oct. 27		36,165		45.61
	Dec. 66		9,291		7,17		Dec. 66		36,196		45,91
1776	Jan. 1	15 25	11,841	+27 28	54,61	1786	Jan. 0	15 25	38,722	+27 26	33.22
	Apr. 10		11,800		54,41		Apr. 10		38,749		33.55
	Jul. 19		11,765		54,14		Jul. 19		38,768		33.95
	Oct. 27		11,738		53,82		Oct. 27		38,781		34.40
	Dec. 66		11,717		53,42		Dec. 66		38,786		34.91
1777	Jan. 0	15 25	14,258	+27 28	40,94	1787	Jan. 0	15 25	41,321	+27 26	22.15
	Apr. 10		14,242		40,51		Apr. 10		41,322		22.69
	Jul. 19		14,234		40,02		Jul. 19		41,315		23.27
	Oct. 27		14,234		39,49		Oct. 27		41,302		23.90
	Dec. 66		14,240		38,90		Dec. 66		41,280		24.56
1778	Jan. 0	15 25	16,772	+27 28	26,49	1788	Jan. 1	15 25	43,823	+27 26	11.76
	Apr. 10		16,782		25,88		Apr. 10		43,797		12.45
	Jul. 19		16,802		25,23		Jul. 19		43,764		13.15
	Oct. 27		16,827		24,55		Oct. 27		43,725		13.88
	Dec. 66		16,860		23,84		Dec. 66		43,679		14.63
1779	Jan. 0	15 25	19,384	+27 28	11,48	1789	Jan. 0	15 25	46,230	+27 26	1.81
	Apr. 10		19,421		10,75		Apr. 10		46,180		2.56
	Jul. 19		19,464		10,02		Jul. 19		46,124		3.32
	Oct. 27		19,512		9,28		Oct. 27		46,064		4.07
	Dec. 66		19,566		8,53		Dec. 66		45,998		4.83

Tabulae X. Sect. II. *a Coronae.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″				h ′ ″	° ′ ″
Jan. 0	−1,011	+28,1	− 7,81	−27,4	−2	+2	1770	15 24 57,3569	+27 30 2,300
10	−0,715	+30,7	−10,44	−24,8	−2	+2	1771	24 59,8920	29 49,670
20	−0,398	+32,3	−12,76	−21,3	−2	+2	1772	25 2,4261	29 37,043
30	−0,070	+32,9	−14,70	−17,1	−3	+2	1773	25 4,9622	29 24,419
Febr. 9	+0,260	+32,7	−16,18	−12,3	−3	+1	1774	25 7,4974	29 11,798
							1775	25 10,0326	28 59,181
19	+0,583	+31,7	−17,16	− 7,2	−3	+1	1776	25 12,5678	28 46,566
Mart. 1	+0,893	+29,9	−17,62	− 2,0	−3	+1	1777	25 15,1030	28 33,954
11	+1,181	+27,6	−17,56	+ 3,1	−3	0	1778	25 17,6383	28 21,345
21	+1,445	+25,0	−17,00	+ 7,9	−2	0	1779	25 20,1736	28 8,739
31	+1,680	+22,0	−15,99	+12,1	−2	0	1780	25 22,7090	27 56,136
							1781	25 25,2443	27 43,536
Apr. 10	+1,884	+18,8	−14,58	+15,8	−2	0	1782	25 27,7797	27 30,939
20	+2,056	+15,6	−12,84	+18,6	−1	−1	1783	25 30,3151	27 18,345
30	+2,195	+12,3	−10,86	+20,6	−1	−1	1784	25 32,8505	27 5,754
Maj. 10	+2,301	+ 8,8	− 8,72	+21,8	0	−1	1785	25 35,3859	26 53,165
20	+2,371	+ 5,4	− 6,51	+22,1	0	−1	1786	25 37,9214	26 40,580
							1787	25 40,4569	26 27,997
30	+2,408	+ 2,1	− 4,30	+21,8	+1	−1	1788	25 42,9924	26 15,418
Jun. 9	+2,413	− 1,2	− 2,16	+20,7	+1	−1	1789	25 45,5279	26 2,842
19	+2,384	− 4,5	− 0,17	+18,9	+1	0	1790	25 48,0634	25 50,268
29	+2,324	− 7,5	+ 1,62	+16,7	+2	0			
Jul. 9	+2,234	−10,4	+ 3,17	+14,1	+2	0			
19	+2,117	−13,0	+ 4,44	+11,1	+2	0			
29	+1,975	−15,2	+ 5,39	+ 7,9	+2	0			
Aug. 8	+1,814	−16,9	+ 6,02	+ 4,5	+3	+1			
18	+1,637	−18,1	+ 6,29	+ 1,0	+3	+1			
28	+1,453	−18,4	+ 6,21	− 2,6	+3	+1			
Sept. 7	+1,269	−18,1	+ 5,77	− 6,3	+3	+2			
17	+1,092	−16,8	+ 4,96	− 9,9	+2	+2			
27	+0,933	−14,7	+ 3,79	−13,5	+2	+3			
Oct. 7	+0,799	−11,7	+ 2,27	−16,9	+2	+3			
17	+0,699	− 7,9	+ 0,41	−20,2	+2	+3			
27	+0,641	− 3,4	− 1,76	−23,1	+1	+4			
Nov. 6	+0,631	+ 1,6	− 4,21	−25,7	+1	+4			
16	+0,673	+ 6,9	− 6,90	−27,8	0	+4			
26	+0,768	+12,2	− 9,76	−29,2	0	+5			
Dec. 6	+0,916	+17,3	−12,73	−29,8	0	+5			
16	+1,114	+22,0	−15,72	−29,6	−1	+5			
26	+1,355	+25,9	−18,65	−28,6	−1	+5			
36	+1,632	+29,2	−21,43	−26,6	−2	+5			

Diei reducto addendum est:

ante } Nov. 15 { + 1
post } { + 2

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *α Serpentis.*

1770	Jan. 0	15 32 58,073	+	7 9 46,85	1780	Jan. 1	15 33 25,779	+	7 7 49,04
	Apr. 10	58,041		47,60		Apr. 10	25,833		48,29
	Jul. 19	58,001		48,36		Jul. 19	25,892		47,56
	Oct. 27	57,954		49,12		Oct. 27	25,957		46,84
	Dec. 66	57,900		49,89		Dec. 66	26,027		46,13
1771	Jan. 0	15 33 0,864	+	7 9 37,67	1781	Jan. 0	15 33 28,949	+	7 7 34,43
	Apr. 10	0,805		38,43		Apr. 10	29,022		33,75
	Jul. 19	0,740		39,17		Jul. 19	29,099		33,10
	Oct. 27	0,669		39,90		Oct. 27	29,179		32,48
	Dec. 66	0,592		40,60		Dec. 66	29,263		31,90
1772	Jan. 1	15 33 3,564	+	7 9 28,41	1782	Jan. 0	15 33 32,181	+	7 7 20,17
	Apr. 10	3,484		29,09		Apr. 10	32,267		19,62
	Jul. 19	3,400		29,73		Jul. 19	32,354		19,12
	Oct. 27	3,314		30,33		Oct. 27	32,441		18,68
	Dec. 66	3,224		30,89		Dec. 66	32,530		18,29
1773	Jan. 0	15 33 6,200	+	7 9 18,75	1783	Jan. 0	15 33 35,447	+	7 7 6,49
	Apr. 10	6,108		19,28		Apr. 10	35,535		6,14
	Jul. 19	6,016		19,74		Jul. 19	35,622		5,85
	Oct. 27	5,924		20,14		Oct. 27	35,708		5,62
	Dec. 66	5,832		20,48		Dec. 66	35,792		5,45
1774	Jan. 0	15 33 8,808	+	7 9 8,42	1784	Jan. 1	15 33 38,711	+	7 6 53,58
	Apr. 10	8,716		8,72		Apr. 10	38,793		53,46
	Jul. 19	8,627		8,95		Jul. 19	38,871		53,41
	Oct. 27	8,540		9,10		Oct. 27	38,946		53,42
	Dec. 66	8,457		9,19		Dec. 66	39,016		53,50
1775	Jan. 0	15 33 11,430	+	7 8 57,22	1785	Jan. 0	15 33 41,940	+	7 6 41,55
	Apr. 10	11,349		57,26		Apr. 10	42,007		41,68
	Jul. 19	11,273		57,22		Jul. 19	42,069		41,87
	Oct. 27	11,203		57,13		Oct. 27	42,124		42,12
	Dec. 66	11,137		56,94		Dec. 66	42,173		42,44
1776	Jan. 1	15 33 14,104	+	7 8 45,06	1786	Jan. 0	15 33 45,104	+	7 6 30,42
	Apr. 10	14,043		44,83		Apr. 10	45,149		30,78
	Jul. 19	13,990		44,54		Jul. 19	45,186		31,20
	Oct. 27	13,944		44,19		Oct. 27	45,216		31,67
	Dec. 66	13,906		43,77		Dec. 66	45,239		32,20
1777	Jan. 0	15 33 16,865	+	7 8 31,98	1787	Jan. 0	15 33 48,179	+	7 6 20,11
	Apr. 10	16,830		31,52		Apr. 10	48,196		20,67
	Jul. 19	16,803		31,01		Jul. 19	48,204		21,23
	Oct. 27	16,786		30,45		Oct. 27	48,205		21,92
	Dec. 66	16,777		29,84		Dec. 66	48,197		22,60
1778	Jan. 0	15 33 19,725	+	7 8 18,11	1788	Jan. 1	15 33 51,147	+	7 6 10,46
	Apr. 10	19,722		17,48		Apr. 10	51,134		11,17
	Jul. 19	19,727		16,81		Jul. 19	51,112		11,89
	Oct. 27	19,740		16,12		Oct. 27	51,082		12,63
	Dec. 66	19,761		15,40		Dec. 66	51,044		13,39
1779	Jan. 0	15 33 22,699	+	7 8 3,70	1789	Jan. 0	15 33 54,005	+	7 6 1,24
	Apr. 10	22,726		2,97		Apr. 10	53,962		2,01
	Jul. 19	22,760		2,23		Jul. 19	53,911		2,77
	Oct. 27	22,802		1,48		Oct. 27	53,854		3,53
	Dec. 66	22,850		0,72		Dec. 66	53,791		4,28

Tabulae X. Sect. II. *a Serpentis.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″		″	″				h ′ ″	° ′ ″
Jan.	0	−0,925	+27,0	− 2,84	−21,6	−2	+1	1770 15 32 57,1879	− 7 9 48,731
	10	−0,643	+29,2	− 4,96	−20,6	−2	+2	1771 33 0,0886	9 36,768
	20	−0,342	+30,5	− 6,95	−18,9	−3	+2	1772 33 3,0294	9 24,808
	30	−0,033	+31,0	− 8,73	−16,5	−3	+2	1773 33 5,9752	9 12,852
Febr.	9	+0,277	+30,7	−10,25	−13,6	−3	+2	1774 33 8,9211	9 0,898
								1775 33 11,8670	8 48,949
	19	+0,580	+29,7	−11,45	−10,3	−3	+2	1776 33 14,8130	8 37,003
Mart.	1	+0,871	+28,3	−12,30	− 6,7	−3	+1	1777 33 17,7591	8 25,061
	11	+1,145	+26,3	−12,79	− 3,1	−2	+1	1778 33 20,7052	8 13,122
	21	+1,397	+24,1	−12,91	+ 0,6	−2	+1	1779 33 23,6514	8 1,186
	31	+1,626	+21,7	−12,68	+ 3,8	−2	+1	1780 33 26,5977	7 49,254
								1781 33 29,5440	7 37,326
Apr.	10	+1,830	+19,1	−12,15	+ 6,7	−1	+1	1782 33 32,4904	7 25,401
	20	+2,007	+16,4	−11,34	+ 9,1	−1	+1	1783 33 35,4369	7 13,480
	30	+2,158	+13,7	−10,33	+10,9	0	+1	1784 33 38,3834	7 1,561
Maj.	10	+2,280	+10,9	− 9,16	+12,2	0	+1	1785 33 41,3300	6 49,647
	20	+2,375	+ 8,0	− 7,89	+13,0	+1	+1	1786 33 44,2767	6 37,736
								1787 33 47,2234	6 25,829
	30	+2,440	+ 5,1	− 6,57	+13,2	+1	+1	1788 33 50,1702	6 13,925
Jun.	9	+2,476	+ 2,1	− 5,26	+12,9	+1	+1	1789 33 53,1170	6 2,025
	19	+2,481	− 0,9	− 3,99	+12,3	+2	+1	1790 33 56,0639	5 50,127
	29	+2,458	− 3,8	− 2,81	+11,3	+2	+1		
Jul.	9	+2,405	− 6,7	− 1,74	+10,0	+2	+1		
	19	+2,324	− 9,3	− 0,82	+ 8,5	+3	+1		
	29	+2,219	−11,6	− 0,05	+ 6,9	+3	+1		
Aug.	8	+2,093	−13,5	+ 0,55	+ 5,1	+3	+1		
	18	+1,950	−14,8	+ 0,96	+ 3,1	+3	+1		
	28	+1,798	−15,4	+ 1,17	+ 1,1	+3	+1		
Sept.	7	+1,642	−15,3	+ 1,18	− 1,0	+3	+2		
	17	+1,493	−14,3	+ 0,97	− 3,3	+3	+2		
	27	+1,357	−12,4	+ 0,53	− 5,6	+3	+2		
Oct.	7	+1,245	− 9,7	− 0,14	− 8,0	+2	+2		
	17	+1,164	− 6,1	− 1,06	−10,4	+2	+3		
	27	+1,123	− 1,9	− 2,22	−12,9	+1	+3		
Nov.	6	+1,126	+ 2,7	− 3,63	−15,2	+1	+3		
	16	+1,177	+ 7,6	− 5,26	−17,4	+1	+4		
	26	+1,278	+12,6	− 7,10	−19,2	0	+4		
Dec.	6	+1,428	+17,3	− 9,10	−20,7	0	+4		
	16	+1,624	+21,5	−11,23	−21,6	−1	+5		
	26	+1,858	+25,1	−13,41	−21,8	−1	+5		
	36	+2,125	+27,9	−15,58	−21,3	−2	+5		

Diei reducto addendum est:

ante } Nov. 17 { + 1
post } { + 2

In annis Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *α Scorpii.*

		h ′ ″	° ′ ″			h ′ ″	° ′ ″
1770	Jan. 0	16 15 21,578	—25 54 5,13	1780	Jan. 1	16 15 55,792	—25 55 54,73
	Apr. 10	21,554	4,33		Apr. 10	55,844	35,49
	Jul. 19	21,521	3,54		Jul. 19	55,905	36,23
	Oct. 27	21,477	2,76		Oct. 27	55,973	36,94
	Dec. 66	21,423	1,98		Dec. 66	56,050	37,62
1771	Jan. 0	16 15 25,095	—25 54 11,13	1781	Jan. 0	16 15 59,673	—25 55 46,24
	Apr. 10	25,035	10,36		Apr. 10	59,759	46,90
	Jul. 19	24,967	9,62		Jul. 19	59,846	47,51
	Oct. 27	24,890	8,92		Oct. 27	59,938	48,07
	Dec. 66	24,804	8,25		Dec. 66	16 0,037	48,59
1772	Jan. 1	16 15 28,487	—25 54 17,35	1782	Jan. 0	16 16 3,658	—25 55 57,26
	Apr. 10	28,397	16,71		Apr. 10	3,759	57,74
	Jul. 19	28,301	16,12		Jul. 19	3,863	58,16
	Oct. 27	28,199	15,58		Oct. 27	3,970	58,53
	Dec. 66	28,092	15,09		Dec. 66	4,079	58,83
1773	Jan. 0	16 15 31,782	—25 54 24,13	1783	Jan. 0	16 16 7,697	—25 56 7,56
	Apr. 10	31,672	23,69		Apr. 10	7,808	7,82
	Jul. 19	31,560	23,31		Jul. 19	7,918	8,01
	Oct. 27	31,446	23,00		Oct. 27	8,027	8,13
	Dec. 66	31,330	22,76		Dec. 66	8,136	8,18
1774	Jan. 0	16 15 35,022	—25 54 31,71	1784	Jan. 1	16 16 11,755	—25 56 17,00
	Apr. 10	34,906	31,52		Apr. 10	11,863	17,00
	Jul. 19	34,792	31,41		Jul. 19	11,968	16,93
	Oct. 27	34,679	31,37		Oct. 27	12,069	16,80
	Dec. 66	34,568	31,40		Dec. 66	12,166	16,60
1775	Jan. 0	16 15 38,259	—25 54 40,25	1785	Jan. 0	16 16 15,789	—25 56 25,49
	Apr. 10	38,150	40,34		Apr. 10	15,883	25,24
	Jul. 19	38,046	40,50		Jul. 19	15,971	24,93
	Oct. 27	37,948	40,73		Oct. 27	16,053	24,55
	Dec. 66	37,856	41,04		Dec. 66	16,128	24,11
1776	Jan. 1	16 15 41,540	—25 54 49,80	1786	Jan. 0	16 16 19,759	—25 56 33,06
	Apr. 10	41,452	50,15		Apr. 10	19,829	32,57
	Jul. 19	41,372	50,56		Jul. 19	19,890	32,06
	Oct. 27	41,300	51,04		Oct. 27	19,942	31,48
	Dec. 66	41,236	51,58		Dec. 66	19,986	30,85
1777	Jan. 0	16 15 44,910	—25 55 0,25	1787	Jan. 0	16 16 23,628	—25 56 39,88
	Apr. 10	44,853	0,82		Apr. 10	23,666	39,22
	Jul. 19	44,805	1,44		Jul. 19	23,693	38,52
	Oct. 27	44,767	2,10		Oct. 27	23,711	37,79
	Dec. 66	44,739	2,80		Dec. 66	23,718	37,04
1778	Jan. 0	16 15 48,401	—25 55 11,41	1788	Jan. 1	16 16 27,372	—25 56 46,10
	Apr. 10	48,380	12,14		Apr. 10	27,372	45,32
	Jul. 19	48,369	12,88		Jul. 19	27,362	44,54
	Oct. 27	48,367	13,64		Oct. 27	27,341	43,75
	Dec. 66	48,376	14,43		Dec. 66	27,310	42,95
1779	Jan. 0	16 15 52,028	—25 55 23,01	1789	Jan. 0	16 16 30,977	—25 56 52,02
	Apr. 10	52,045	23,80		Apr. 10	30,939	51,22
	Jul. 19	52,072	24,58		Jul. 19	30,891	50,44
	Oct. 27	52,108	25,36		Oct. 27	30,834	49,68
	Dec. 66	52,154	26,14		Dec. 66	30,767	48,93

Tabulae X. Sect. II. *α Scorpii.*

	1780		1780		Var. 10 annor.	
	″	″	″	″		
Jan. 0	—1,185	+27,8	+4,25	—4,9	—3	—1
10	—0,892	+30,6	+3,67	—6,5	—3	—1
20	—0,574	+32,6	+2,95	—7,8	—3	0
30	—0,241	+33,7	+2,12	—8,7	—4	0
Febr. 9	+0,099	+34,0	+1,21	—9,2	—4	+1
19	+0,439	+33,7	+0,28	—9,4	—4	+1
Mart. 1	+0,773	+32,8	—0,66	—9,3	—3	+2
11	+1,095	+31,5	—1,57	—8,9	—3	+2
21	+1,402	+29,8	—2,43	—8,3	—3	+3
31	+1,690	+27,9	—3,23	—7,6	—2	+3
Apr. 10	+1,959	+25,7	—3,95	—6,9	—2	+3
20	+2,204	+23,3	—4,61	—6,3	—1	+4
30	+2,424	+20,7	—5,20	—5,7	—1	+4
Maj. 10	+2,617	+17,9	—5,74	—5,2	0	+4
20	+2,781	+14,8	—6,23	—4,7	+1	+4
30	+2,912	+11,4	—6,67	—4,3	+1	+4
Jun. 9	+3,009	+ 7,9	—7,08	—3,9	+2	+4
19	+3,070	+ 4,2	—7,44	—3,4	+2	+4
29	+3,093	+ 0,4	—7,75	—2,9	+3	+4
Jul. 9	+3,078	— 3,4	—8,01	—2,2	+4	+4
19	+3,026	— 7,0	—8,19	—1,5	+4	+4
29	+2,938	—10,4	—8,31	—0,7	+4	+3
Aug. 8	+2,818	—13,5	—8,32	+0,4	+4	+3
18	+2,673	—15,5	—8,23	+1,5	+5	+3
28	+2,508	—17,0	—8,03	+2,6	+5	+2
Sept. 7	+2,333	—17,6	—7,72	+3,6	+5	+2
17	+2,157	—17,1	—7,31	+4,5	+4	+2
27	+1,991	—15,6	—6,82	+5,2	+4	+2
Oct. 7	+1,846	—13,0	—6,28	+5,6	+4	+1
17	+1,732	— 9,4	—5,71	+5,6	+3	+1
27	+1,658	— 5,0	—5,16	+5,2	+3	+1
Nov. 6	+1,632	+ 0,1	—4,67	+4,4	+2	+1
16	+1,659	+ 5,5	—4,28	+3,5	+2	+2
26	+1,742	+11,0	—4,02	+1,7	+1	+2
Dec. 6	+1,879	+16,3	—3,94	—0,1	0	+2
16	+2,067	+21,2	—4,04	—1,9	0	+3
26	+2,302	+25,5	—4,32	—3,8	—1	+3
36	+2,576	+28,9	—4,79	—5,5	—1	+4

	A. R. med.	Decl. med.
	h ′ ″	° ′ ″
1770	16 15 20,3641	—25 54 4,507
1771	15 24,0172	54 13,396
1772	15 27,6704	54 22,279
1773	15 31,3238	54 31,158
1774	15 34,9774	54 40,032
1775	15 38,6312	54 48,901
1776	15 42,2851	54 57,765
1777	15 45,9391	55 6,625
1778	15 49,5933	55 15,479
1779	15 53,2476	55 24,329
1780	15 56,9020	55 33,174
1781	16 0,5567	55 42,014
1782	16 4,2115	55 50,849
1788	16 7,8665	56 59,680
1784	16 11,5216	56 8,505
1785	16 15,1770	56 17,326
1786	16 18,8324	56 26,142
1787	16 22,4880	56 34,953
1788	16 26,1438	56 43,759
1789	16 29,7997	56 52,560
1790	16 33,4557	57 1,356

Diei reducto addendum est:

ante / post } Nov. 27 { +1 / +2

In mensa. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *α Herculis.*

1770	Jan. 0	17	4	11,029	+14	40	6,81
	Apr. 10			11,000			7,62
	Jul. 19			10,963			8,42
	Oct. 27			10,920			9,20
	Dec. 66			10,869			9,96
1771	Jan. 0	17	4	13,615	+14	40	4,91
	Apr. 10			13,560			5,65
	Jul. 19			13,500			6,34
	Oct. 27			13,434			6,99
	Dec. 66			13,363			7,60
1772	Jan. 1	17	4	16,116	+14	40	2,60
	Apr. 10			16,042			3,17
	Jul. 19			15,964			3,68
	Oct. 27			15,884			4,12
	Dec. 66			15,800			4,51
1773	Jan. 0	17	4	18,557	+14	39	59,59
	Apr. 10			18,472			59,92
	Jul. 19			18,386		40	0,18
	Oct. 27			18,300			0,36
	Dec. 66			18,214			0,47
1774	Jan. 0	17	4	20,972	+14	39	55,65
	Apr. 10			20,886			55,71
	Jul. 19			20,803			55,69
	Oct. 27			20,722			55,59
	Dec. 66			20,644			55,41
1775	Jan. 0	17	4	23,399	+14	39	50,69
	Apr. 10			23,323			50,46
	Jul. 19			23,252			50,16
	Oct. 27			23,186			49,79
	Dec. 66			23,125			49,35
1776	Jan. 1	17	4	25,874	+14	39	44,72
	Apr. 10			25,817			44,24
	Jul. 19			25,767			43,70
	Oct. 27			25,724			43,11
	Dec. 66			25,687			42,46
1777	Jan. 0	17	4	28,427	+14	39	37,90
	Apr. 10			28,395			37,22
	Jul. 19			28,371			36,50
	Oct. 27			28,355			35,76
	Dec. 66			28,346			34,99
1778	Jan. 0	17	4	31,077	+14	39	30,47
	Apr. 10			31,073			29,67
	Jul. 19			31,077			28,87
	Oct. 27			31,089			28,06
	Dec. 66			31,109			27,24
1779	Jan. 0	17	4	33,830	+14	39	22,74
	Apr. 10			33,855			21,93
	Jul. 19			33,886			21,13
	Oct. 27			33,924			20,35
	Dec. 66			33,969			19,58
1780	Jan. 1	17	4	36,682	+14	39	15,06
	Apr. 10			36,731			14,32
	Jul. 19			36,786			13,61
	Oct. 27			36,846			12,94
	Dec. 66			36,912			12,31
1781	Jan. 0	17	4	39,618	+14	39	7,75
	Apr. 10			39,686			7,15
	Jul. 19			39,757			6,61
	Oct. 27			39,832			6,13
	Dec. 66			39,910			5,70
1782	Jan. 0	17	4	42,612	+14	39	1,07
	Apr. 10			42,692			0,69
	Jul. 19			42,772			0,37
	Oct. 27			42,854			0,12
	Dec. 66			42,936		38	59,93
1783	Jan. 0	17	4	45,638	+14	38	55,25
	Apr. 10			45,720			55,09
	Jul. 19			45,801			55,03
	Oct. 27			45,881			55,05
	Dec. 66			45,959			55,11
1784	Jan. 1	17	4	48,662	+14	38	50,32
	Apr. 10			48,739			50,45
	Jul. 19			48,812			50,65
	Oct. 27			48,882			50,92
	Dec. 66			48,948			51,26
1785	Jan. 0	17	4	51,655	+14	38	46,39
	Apr. 10			51,718			46,77
	Jul. 19			51,775			47,21
	Oct. 27			51,827			47,71
	Dec. 66			51,873			48,27
1786	Jan. 0	17	4	54,588	+14	38	43,33
	Apr. 10			54,630			43,95
	Jul. 19			54,665			44,57
	Oct. 27			54,693			45,25
	Dec. 66			54,714			45,98
1787	Jan. 0	17	4	57,437	+14	38	40,99
	Apr. 10			57,453			41,74
	Jul. 19			57,462			42,51
	Oct. 27			57,463			43,30
	Dec. 66			57,456			44,11
1788	Jan. 1	17	5	0,188	+14	38	39,10
	Apr. 10			0,176			39,92
	Jul. 19			0,156			40,73
	Oct. 27			0,129			41,54
	Dec. 66			0,094			42,35
1789	Jan. 0	17	5	2,835	+14	38	57,35
	Apr. 10			2,795			58,15
	Jul. 19			2,749			58,92
	Oct. 27			2,696			59,66
	Dec. 66			2,637			40,37

Tabulae X. Sect. II. *α Herculis.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″				h ′ ″	° ′ ″
Jan. 0	−1,260	+19,4	− 2,86	−23,6	−1	+1	1770	17 4 10,1579	+14 40 5,960
10	−1,048	+22,8	− 5,19	−22,7	−1	+1	1771	4 12,8865	40 1,155
20	−0,805	+25,5	− 7,39	−21,0	−2	+1	1772	4 15,6151	39 56,354
30	−0,539	+27,5	− 9,38	−18,4	−2	+1	1773	4 18,3438	39 51,557
Febr. 9	−0,256	+28,8	−11,07	−15,2	−2	+1	1774	4 21,0725	39 46,764
							1775	4 23,8013	39 41,974
19	+0,037	+29,5	−12,42	−11,5	−3	+1	1776	4 26,5301	39 37,188
Mart. 1	+0,333	+29,5	−13,37	− 7,4	−3	+1	1777	4 29,2589	39 32,406
11	+0,627	+29,1	−13,88	− 2,9	−3	+1	1778	4 31,9878	39 27,628
21	+0,914	+28,2	−13,95	+ 1,5	−2	+1	1779	4 34,7167	39 22,854
31	+1,191	+27,0	−13,59	+ 5,6	−2	+1	1780	4 37,4456	39 18,084
							1781	4 40,1746	39 13,318
Apr. 10	+1,453	+25,4	−12,83	+ 9,4	−2	+1	1782	4 42,9036	39 8,555
20	+1,698	+23,5	−11,71	+12,7	−2	+1	1783	4 45,6327	39 3,796
30	+1,922	+21,2	−10,29	+15,4	−1	+1	1784	4 48,3618	38 59,041
Maj. 10	+2,122	+18,7	− 8,63	+17,5	−1	+1	1785	4 51,0908	38 54,291
20	+2,295	+15,8	− 6,79	+18,9	−1	+1	1786	4 53,8200	38 49,544
							1787	4 56,5492	38 44,801
30	+2,438	+12,7	− 4,86	+19,5	0	+1	1788	4 59,2784	38 40,062
Jun. 9	+2,549	+ 9,4	− 2,89	+19,5	0	+1	1789	5 2,0077	38 35,327
19	+2,625	+ 5,8	− 0,96	+19,0	+1	+1	1790	5 4,7370	38 30,595
29	+2,664	+ 2,1	+ 0,90	+17,9	+1	+1			
Jul. 9	+2,666	− 1,7	+ 2,62	+16,4	+1	+1			
19	+2,630	− 5,4	+ 4,18	+14,6	+2	+1			
29	+2,558	− 8,9	+ 5,53	+12,3	+2	+1			
Aug. 8	+2,452	−12,1	+ 6,64	+10,0	+2	+1			
18	+2,317	−14,7	+ 7,52	+ 7,4	+2	+2			
28	+2,159	−16,7	+ 8,12	+ 4,8	+3	+2			
Sept. 7	+1,984	−17,9	+ 8,44	+ 1,9	+3	+2			
17	+1,801	−18,3	+ 8,49	− 1,0	+3	+2			
27	+1,619	−17,7	+ 8,24	− 4,0	+3	+2			
Oct. 7	+1,447	−16,2	+ 7,69	− 7,0	+3	+3			
17	+1,295	−13,7	+ 6,84	−10,0	+2	+3			
27	+1,173	−10,4	+ 5,70	−12,8	+2	+3			
Nov. 6	+1,088	− 6,4	+ 4,28	−15,6	+2	+4			
16	+1,046	− 1,9	+ 2,58	−18,2	+1	+4			
26	+1,051	+ 3,0	+ 0,65	−20,3	+1	+4			
Dec. 6	+1,105	+ 7,8	− 1,48	−22,1	+1	+4			
16	+1,207	+12,6	− 3,76	−23,2	0	+4			
26	+1,356	+16,9	− 6,12	−23,7	0	+5			
36	+1,545	+20,7	− 8,49	−23,4	−1	+5			

Diei reducto addendum est:

ante } Dec. 8 { + 1
post } { + 2

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *a Ophiuchi.*

		α	δ
1770	Jan. 0	17 24 17,020	+12 44 38,33
	Apr. 10	16,992	39,14
	Jul. 19	16,956	39,93
	Oct. 27	16,913	40,70
	Dec. 66	16,863	41,44
1771	Jan. 0	17 24 19,655	+12 44 37,87
	Apr. 10	19,601	38,59
	Jul. 19	19,541	39,26
	Oct. 27	19,475	39,88
	Dec. 66	19,404	40,45
1772	Jan. 1	17 24 22,203	+12 44 36,95
	Apr. 10	22,129	37,48
	Jul. 19	22,051	37,95
	Oct. 27	21,970	38,35
	Dec. 66	21,885	38,68
1773	Jan. 0	17 24 24,689	+12 44 35,27
	Apr. 10	24,603	35,55
	Jul. 19	24,516	35,76
	Oct. 27	24,429	35,89
	Dec. 66	24,342	35,94
1774	Jan. 0	17 24 27,146	+12 44 32,62
	Apr. 10	27,059	32,62
	Jul. 19	26,975	32,55
	Oct. 27	26,893	32,39
	Dec. 66	26,813	32,16
1775	Jan. 0	17 24 29,614	+12 44 28,94
	Apr. 10	29,537	28,66
	Jul. 19	29,464	28,31
	Oct. 27	29,396	27,88
	Dec. 66	29,333	27,39
1776	Jan. 1	17 24 32,129	+12 44 24,26
	Apr. 10	32,071	23,73
	Jul. 19	32,019	23,15
	Oct. 27	31,973	22,51
	Dec. 66	31,933	21,82
1777	Jan. 0	17 24 34,721	+12 44 18,76
	Apr. 10	34,687	18,04
	Jul. 19	34,661	17,30
	Oct. 27	34,643	16,53
	Dec. 66	34,633	15,73
1778	Jan. 0	17 24 37,411	+12 44 12,70
	Apr. 10	37,406	11,89
	Jul. 19	37,408	11,08
	Oct. 27	37,419	10,26
	Dec. 66	37,437	9,44
1779	Jan. 0	17 24 40,205	+12 44 6,42
	Apr. 10	40,229	5,61
	Jul. 19	40,259	4,81
	Oct. 27	40,297	4,04
	Dec. 66	40,341	3,29
1780	Jan. 1	17 24 43,101	+12 44 0,25
	Apr. 10	43,149	43 59,52
	Jul. 19	43,203	58,83
	Oct. 27	43,263	58,19
	Dec. 66	43,328	57,59
1781	Jan. 0	17 24 46,081	+12 43 54,50
	Apr. 10	46,149	53,94
	Jul. 19	46,221	53,43
	Oct. 27	46,296	52,99
	Dec. 66	46,374	52,60
1782	Jan. 0	17 24 49,123	+12 43 49,45
	Apr. 10	49,203	49,10
	Jul. 19	49,285	48,83
	Oct. 27	49,367	48,63
	Dec. 66	49,451	48,50
1783	Jan. 0	17 24 52,198	+12 43 45,26
	Apr. 10	52,283	45,18
	Jul. 19	52,366	45,17
	Oct. 27	52,447	45,23
	Dec. 66	52,526	45,36
1784	Jan. 1	17 24 55,275	+12 43 42,04
	Apr. 10	55,353	42,22
	Jul. 19	55,428	42,47
	Oct. 27	55,499	42,79
	Dec. 66	55,567	43,18
1785	Jan. 0	17 24 58,321	+12 43 39,78
	Apr. 10	58,386	40,21
	Jul. 19	58,445	40,69
	Oct. 27	58,499	41,24
	Dec. 66	58,547	41,84
1786	Jan. 0	17 25 1,307	+12 43 38,57
	Apr. 10	1,352	39,01
	Jul. 19	1,389	39,69
	Oct. 27	1,418	40,40
	Dec. 66	1,441	41,16
1787	Jan. 0	17 25 4,210	+12 43 37,64
	Apr. 10	4,228	38,42
	Jul. 19	4,238	39,21
	Oct. 27	4,240	40,02
	Dec. 66	4,235	40,84
1788	Jan. 1	17 25 7,013	+12 43 37,31
	Apr. 10	7,002	38,14
	Jul. 19	6,984	38,96
	Oct. 27	6,958	39,77
	Dec. 66	6,924	40,57
1789	Jan. 0	17 25 9,712	+12 43 37,06
	Apr. 10	9,673	37,85
	Jul. 19	9,627	38,60
	Oct. 27	9,575	39,32
	Dec. 66	9,516	40,00

Tabulae X. Sect. II. *α Ophiuchi.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″		″					h ′ ″	° ′ ″
Jan. 0	−1,290	+17,6	− 2,23	−22,4	−1	+1	1770	17 24 16,1304	+12 44 36,883
10	−1,095	+21,1	− 4,45	−21,8	−1	+1	1771	24 18,9056	44 33,561
20	−0,868	+24,0	− 6,57	−20,3	−2	+1	1772	24 21,6808	44 30,242
30	−0,616	+26,2	− 8,51	−18,1	−2	+1	1773	24 24,4561	44 26,928
Febr. 9	−0,344	+27,8	−10,18	−15,1	−2	+1	1774	24 27,2314	44 23,617
							1775	24 30,0068	44 20,311
19	−0,060	+28,8	−11,53	−11,6	−2	+1	1776	24 32,7822	44 17,008
Mart. 1	+0,231	+29,2	−12,50	− 7,7	−3	+1	1777	24 35,5576	44 13,710
11	+0,523	+29,1	−13,06	− 3,5	−3	+1	1778	24 38,3330	44 10,415
21	+0,812	+28,6	−13,20	+ 0,8	−2	+1	1779	24 41,1084	44 7,125
31	+1,094	+27,6	−12,91	+ 4,9	−2	+1	1780	24 43,8839	44 3,838
							1781	24 46,6594	44 0,556
Apr. 10	+1,364	+26,3	−12,23	+ 8,6	−2	+1	1782	24 49,4350	43 57,277
20	+1,620	+24,7	−11,19	+11,9	−2	+1	1783	24 52,2106	43 54,003
30	+1,858	+22,7	− 9,85	+14,7	−2	+1	1784	24 54,9863	43 50,732
Maj. 10	+2,074	+20,4	− 8,26	+16,8	−1	+1	1785	24 57,7620	43 47,466
20	+2,266	+17,7	− 6,50	+18,2	−1	+1	1786	25 0,5377	43 44,204
							1787	25 3,3135	43 40,945
30	+2,428	+14,7	− 4,62	+19,0	0	+1	1788	25 6,0893	43 37,691
Jun. 9	+2,559	+11,4	− 2,70	+19,2	0	+1	1789	25 8,8650	43 34,440
19	+2,655	+ 7,8	− 0,79	+18,7	0	+1	1790	25 11,6409	43 31,194
29	+2,715	+ 4,0	+ 1,04	+17,8	+1	+1			
Jul. 9	+2,735	+ 0,1	+ 2,77	+16,5	+1	+1			
19	+2,717	− 3,7	+ 4,33	+14,7	+2	+1			
29	+2,661	− 7,4	+ 5,70	+12,7	+2	+2			
Aug. 8	+2,569	−10,8	+ 6,86	+10,5	+2	+2			
18	+2,446	−13,7	+ 7,79	+ 8,0	+2	+2			
28	+2,296	−16,0	+ 8,46	+ 5,4	+3	+2			
Sept. 7	+2,126	−17,6	+ 8,87	+ 2,8	+3	+2			
17	+1,945	−18,2	+ 9,01	0,0	+3	+3			
27	+1,762	−17,9	+ 8,87	− 2,8	+3	+3			
Oct. 7	+1,587	−16,7	+ 8,45	− 5,6	+3	+3			
17	+1,428	−14,6	+ 7,75	− 8,5	+2	+3			
27	+1,296	−11,5	+ 6,76	−11,3	+2	+4			
Nov. 6	+1,199	− 7,7	+ 5,50	−14,0	+2	+4			
16	+1,143	− 3,4	+ 3,97	−16,5	+2	+4			
26	+1,132	+ 1,3	+ 2,21	−18,7	+1	+4			
Dec. 6	+1,168	+ 6,1	+ 0,24	−20,5	+1	+5			
16	+1,253	+10,8	− 1,89	−21,8	0	+5			
26	+1,383	+15,1	− 4,11	−22,3	0	+5			
36	+1,554	+19,0	− 6,35	−22,2	−1	+5			

Diei reducto addendum est:

ante / post } Dec. 13 { + 1 / + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *α Lyrae.*

		h ′ ″	° ′ ″			h ′ ″	° ′ ″
1770	Jan. 0	18 29 9,876	+38 34 56,59	1780	Jan. 1	18 29 28,892	+38 35 16,41
	Apr. 10	9,862	57,36		Apr. 10	28,921	15,77
	Jul. 19	9,842	58,08		Jul. 19	28,955	15,19
	Oct. 27	9,817	58,77		Oct. 27	28,993	14,66
	Dec. 66	9,787	59,41		Dec. 66	29,036	14,19
1771	Jan. 0	18 29 11,827	+38 35 2,02	1781	Jan. 0	18 29 31,051	+38 35 17,19
	Apr. 10	11,793	2,63		Apr. 10	31,096	16,76
	Jul. 19	11,754	3,18		Jul. 19	31,145	16,40
	Oct. 27	11,711	3,68		Oct. 27	31,196	16,10
	Dec. 66	11,663	4,11		Dec. 66	31,250	15,87
1772	Jan. 1	18 29 13,709	+38 35 6,79	1782	Jan. 0	18 29 33,261	+38 35 18,79
	Apr. 10	13,658	7,18		Apr. 10	33,317	18,61
	Jul. 19	13,605	7,49		Jul. 19	33,375	18,50
	Oct. 27	13,549	7,73		Oct. 27	33,434	18,46
	Dec. 66	13,489	7,89		Dec. 66	33,494	18,50
1773	Jan. 0	18 29 15,538	+38 35 10,67	1783	Jan. 0	18 29 35,503	+38 35 21,34
	Apr. 10	15,477	10,78		Apr. 10	35,564	21,42
	Jul. 19	15,416	10,81		Jul. 19	35,625	21,58
	Oct. 27	15,353	10,77		Oct. 27	35,685	21,81
	Dec. 66	15,289	10,64		Dec. 66	35,745	22,11
1774	Jan. 0	18 29 17,339	+38 35 13,52	1784	Jan. 1	18 29 37,754	+38 35 24,85
	Apr. 10	17,275	13,34		Apr. 10	37,814	25,19
	Jul. 19	17,212	13,09		Jul. 19	37,871	25,60
	Oct. 27	17,150	12,77		Oct. 27	37,926	26,07
	Dec. 66	17,089	12,37		Dec. 66	37,979	26,60
1775	Jan. 0	18 29 19,139	+38 35 15,34	1785	Jan. 0	18 29 39,991	+38 35 29,27
	Apr. 10	19,079	14,89		Apr. 10	40,043	29,84
	Jul. 19	19,022	14,39		Jul. 19	40,091	30,46
	Oct. 27	18,969	13,83		Oct. 27	40,135	31,12
	Dec. 66	18,918	13,20		Dec. 66	40,176	31,82
1776	Jan. 1	18 29 20,964	+38 35 16,25	1786	Jan. 0	18 29 42,192	+38 35 34,44
	Apr. 10	20,916	15,59		Apr. 10	42,230	35,17
	Jul. 19	20,872	14,90		Jul. 19	42,263	35,93
	Oct. 27	20,833	14,16		Oct. 27	42,291	36,71
	Dec. 66	20,799	13,39		Dec. 66	42,314	37,52
1777	Jan. 0	18 29 22,839	+38 35 16,49	1787	Jan. 0	18 29 44,336	+38 35 40,11
	Apr. 10	22,808	15,70		Apr. 10	44,356	40,93
	Jul. 19	22,783	14,90		Jul. 19	44,370	41,75
	Oct. 27	22,763	14,08		Oct. 27	44,379	42,57
	Dec. 66	22,748	13,25		Dec. 66	44,382	43,39
1778	Jan. 0	18 29 24,782	+38 35 16,37	1788	Jan. 1	18 29 46,411	+38 35 45,98
	Apr. 10	24,771	15,54		Apr. 10	46,410	46,79
	Jul. 19	24,766	14,72		Jul. 19	46,404	47,58
	Oct. 27	24,767	13,92		Oct. 27	46,391	48,35
	Dec. 66	24,773	13,13		Dec. 66	46,373	49,09
1779	Jan. 0	18 29 26,800	+38 35 16,23	1789	Jan. 0	18 29 48,409	+38 35 51,71
	Apr. 10	26,810	15,46		Apr. 10	48,387	52,42
	Jul. 19	26,825	14,72		Jul. 19	48,360	53,09
	Oct. 27	26,846	14,01		Oct. 27	48,328	53,71
	Dec. 66	26,872	13,34		Dec. 66	48,291	54,28

Tabulae X. Sect. II. *α Lyrae.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″	″	″		h m s	° ′ ″
Jan. 0	−1,700	+ 9,0	− 0,94	−31,2	0	+2	1770	18 29 9,2082	+38 34 53,318
10	−1,585	+13,9	− 4,06	−30,8	−1	+2	1771	29 11,2373	34 56,136
20	−1,422	+18,5	− 7,09	−29,4	−1	+2	1772	29 13,2664	34 58,957
30	−1,215	+22,5	− 9,93	−26,8	−1	+2	1773	29 15,2955	35 1,781
Febr. 9	−0,972	+25,9	−12,45	−23,2	−2	+2	1774	29 17,3247	35 4,607
							1775	29 19,3538	35 7,436
19	−0,697	+28,8	−14,57	−18,7	−2	+2	1776	29 21,3830	35 10,268
Mart. 1	−0,397	+30,9	−16,19	−13,5	−2	+1	1777	29 23,4122	35 13,103
11	−0,079	+32,4	−17,27	− 7,9	−2	+1	1778	29 25,4414	35 15,941
21	+0,251	+33,2	−17,76	− 2,0	−2	+1	1779	29 27,4706	35 18,781
31	+0,585	+33,3	−17,66	+ 4,0	−2	0	1780	29 29,4997	35 21,626
							1781	29 31,5289	35 24,473
Apr. 10	+0,917	+32,8	−16,97	+ 9,7	−2	0	1782	29 33,5581	35 27,323
20	+1,240	+31,5	−15,73	+15,0	−2	0	1783	29 35,5874	35 30,176
30	+1,547	+29,7	−13,98	+19,6	−2	0	1784	29 37,6167	35 33,031
Maj. 10	+1,833	+27,2	−11,81	+23,5	−2	0	1785	29 39,6460	35 35,890
20	+2,091	+24,2	− 9,29	+26,5	−1	0	1786	29 41,6753	35 38,752
							1787	29 43,7046	35 41,616
30	+2,316	+20,5	− 6,51	+28,7	−1	0	1788	29 45,7339	35 44,483
Jun. 9	+2,501	+16,4	− 3,55	+30,0	0	0	1789	29 47,7633	35 47,353
19	+2,644	+11,9	− 0,51	+30,4	0	0	1790	29 49,7927	35 50,226
29	+2,739	+ 7,1	+ 2,53	+30,1	0	0			
Jul. 9	+2,786	+ 2,7	+ 5,50	+28,9	+1	0			
19	+2,782	− 2,9	+ 8,31	+27,1	+1	0			
29	+2,728	− 7,8	+10,91	+24,7	+1	0			
Aug. 8	+2,626	−12,4	+13,24	+21,7	+2	+1			
18	+2,480	−16,6	+15,24	+18,3	+2	+1			
28	+2,295	−10,1	+16,89	+14,6	+2	+1			
Sept. 7	+2,078	−22,9	+18,15	+10,5	+2	+1			
17	+1,838	−24,7	+18,98	+ 6,2	+2	+2			
27	+1,585	−25,6	+19,38	+ 1,7	+2	+2			
Oct. 7	+1,327	−25,4	+19,32	− 2,9	+2	+3			
17	+1,078	−24,1	+18,80	− 7,5	+2	+3			
27	+0,845	−21,9	+17,83	−12,0	+2	+3			
Nov. 6	+0,641	−18,6	+16,40	−16,4	+2	+4			
16	+0,473	−14,6	+14,55	−20,5	+2	+4			
26	+0,349	−10,0	+12,31	−24,1	+1	+4			
Dec. 6	+0,274	− 4,9	+ 9,73	−27,1	+1	+5			
16	+0,252	+ 0,5	+ 6,89	−29,4	+1	+5			
26	+0,283	+ 5,7	+ 3,85	−30,8	0	+5			
36	+0,366	+10,9	+ 0,73	−31,2	0	+5			

Diei reducto addendum est:

ante } Dec. 28 { + 1
post } { + 2

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *γ Aquilae.*

1770	Jan. 0	19 35 20,271	+ 10 4 9,23	1780	Jan. 1	19 35 47,053	+ 10 5 19,07
	Apr. 10	20,247	9,87		Apr. 10	47,098	18,58
	Jul. 19	20,216	10,47		Jul. 19	47,149	18,15
	Oct. 27	20,177	11,02		Oct. 27	47,206	17,79
	Dec. 66	20,131	11,52		Dec. 66	47,269	17,49
1771	Jan. 0	19 35 23,003	+ 10 4 19,46	1781	Jan. 0	19 35 50,103	+ 10 5 25,72
	Apr. 10	22,952	19,91		Apr. 10	50,169	25,46
	Jul. 19	22,894	20,30		Jul. 19	50,240	25,23
	Oct. 27	22,830	20,62		Oct. 27	50,314	25,16
	Dec. 66	22,760	20,87		Dec. 66	50,393	25,11
1772	Jan. 1	19 35 25,640	+ 10 4 28,90	1782	Jan. 0	19 35 53,222	+ 10 5 33,26
	Apr. 10	25,566	29,10		Apr. 10	53,303	33,25
	Jul. 19	25,489	29,23		Jul. 19	53,385	33,32
	Oct. 27	25,407	29,28		Oct. 27	53,469	33,47
	Dec. 66	25,322	29,26		Dec. 66	53,554	33,68
1773	Jan. 0	19 35 28,206	+ 10 4 37,38	1783	Jan. 0	19 35 56,381	+ 10 5 41,75
	Apr. 10	28,119	37,31		Apr. 10	56,467	42,00
	Jul. 19	28,031	37,16		Jul. 19	56,552	42,31
	Oct. 27	27,942	36,94		Oct. 27	56,637	42,69
	Dec. 66	27,851	36,64		Dec. 66	56,721	43,13
1774	Jan. 0	19 35 30,757	+ 10 4 44,86	1784	Jan. 1	19 35 59,548	+ 10 5 51,12
	Apr. 10	30,647	44,52		Apr. 10	59,631	51,60
	Jul. 19	30,558	44,11		Jul. 19	59,710	52,13
	Oct. 27	30,472	43,64		Oct. 27	59,787	52,72
	Dec. 66	30,387	43,10		Dec. 66	59,860	53,35
1775	Jan. 0	19 35 33,270	+ 10 4 51,40	1785	Jan. 0	19 36 2,691	+ 10 6 1,23
	Apr. 10	33,188	50,83		Apr. 10	2,762	1,94
	Jul. 19	33,110	50,21		Jul. 19	2,827	2,63
	Oct. 27	33,037	49,55		Oct. 27	2,886	3,36
	Dec. 66	32,968	48,84		Dec. 66	2,940	4,11
1776	Jan. 1	19 35 35,845	+ 10 4 57,20	1786	Jan. 0	19 36 5,778	+ 10 6 12,01
	Apr. 10	35,780	56,47		Apr. 10	5,829	12,78
	Jul. 19	35,722	55,72		Jul. 19	5,872	13,56
	Oct. 27	35,670	54,94		Oct. 27	5,908	14,35
	Dec. 66	35,625	54,15		Dec. 66	5,937	15,14
1777	Jan. 0	19 35 38,494	+ 10 5 2,54	1787	Jan. 0	19 36 8,784	+ 10 6 23,03
	Apr. 10	38,454	1,74		Apr. 10	8,808	23,83
	Jul. 19	38,422	0,94		Jul. 19	8,824	24,61
	Oct. 27	38,397	0,15		Oct. 27	8,833	25,37
	Dec. 66	38,380	4 59,36		Dec. 66	8,835	26,12
1778	Jan. 0	19 35 41,240	+ 10 5 7,75	1788	Jan. 1	19 36 11,689	+ 10 6 34,04
	Apr. 10	41,229	6,97		Apr. 10	11,684	35,77
	Jul. 19	41,226	6,22		Jul. 19	11,671	35,46
	Oct. 27	41,231	5,50		Oct. 27	11,649	36,11
	Dec. 66	41,244	4,80		Dec. 66	11,620	36,72
1779	Jan. 0	19 35 44,094	+ 10 5 13,16	1789	Jan. 0	19 36 14,486	+ 10 6 44,69
	Apr. 10	44,112	12,49		Apr. 10	14,451	45,27
	Jul. 19	44,138	11,87		Jul. 19	14,409	45,79
	Oct. 27	44,171	11,29		Oct. 27	14,360	46,26
	Dec. 66	44,212	10,77		Dec. 66	14,304	46,66

Tabulae X. Sect. II. *γ Aquilae.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″				h ′ ″	° ′ ″
Jan. 0	−1,294	+ 5,2	+ 0,08	−17,2	+1	+1	1770	19 35 19,3381	+10 4 4,353
10	−1,223	+ 8,9	− 1,66	−17,4	0	+1	1771	35 22,1935	4 12,453
20	−1,116	+12,4	− 3,39	−16,9	0	+1	1772	35 25,0489	4 20,557
30	−0,975	+15,6	− 5,03	−15,7	−1	+1	1773	35 27,9042	4 28,665
Febr. 9	−0,804	+18,5	− 6,53	−13,8	−1	+1	1774	35 30,7595	4 36,777
							1775	35 33,6148	4 44,892
19	−0,606	+21,1	− 7,79	−11,2	−2	+1	1776	35 36,4701	4 53,010
Mart. 1	−0,383	+23,3	− 8,77	− 8,1	−2	+1	1777	35 39,3254	5 1,133
11	−0,140	+25,2	− 9,41	− 4,6	−2	+1	1778	35 42,1807	5 9,260
21	+0,121	+26,9	− 9,69	− 0,8	−2	+1	1779	35 45,0360	5 17,390
31	+0,397	+28,1	− 9,57	+ 3,2	−3	0	1780	35 47,8913	5 25,524
							1781	35 50,7466	5 33,662
Apr. 10	+0,783	+28,9	− 9,06	+ 7,0	−3	0	1782	35 53,6018	5 41,804
20	+0,974	+29,3	− 8,18	+10,5	−3	0	1783	35 56,4571	5 49,949
30	+1,268	+29,1	− 6,97	+13,6	−3	0	1784	35 59,3123	5 58,098
Maj. 10	+1,556	+28,4	− 5,46	+16,4	−2	0	1785	36 2,1676	6 6,251
20	+1,835	+27,1	− 3,70	+18,5	−2	0	1786	36 5,0228	6 14,408
							1787	36 7,8780	6 22,568
30	+2,098	+25,2	− 1,77	+19,9	−2	+1	1788	36 10,7333	6 30,732
Jun. 9	+2,339	+22,7	+ 0,28	+20,8	−1	+1	1789	36 13,5885	6 38,900
19	+2,552	+19,6	+ 2,38	+21,0	−1	+1	1790	36 16,4437	6 47,072
29	+2,731	+16,0	+ 4,47	+20,7	−1	+1			
Jul. 9	+2,872	+12,0	+ 6,51	+19,9	0	+1			
19	+2,971	+ 7,8	+ 8,44	+18,6	0	+1			
29	+3,027	+ 3,3	+10,22	+16,9	0	+2			
Aug. 8	+3,037	− 1,1	+11,82	+15,0	+1	+2			
18	+3,005	− 5,3	+13,22	+12,9	+1	+2			
28	+2,932	− 9,1	+14,39	+10,5	+2	+2			
Sept. 7	+2,823	−12,4	+15,32	+ 8,1	+2	+3			
17	+2,685	−14,8	+16,00	+ 5,6	+2	+3			
27	+2,527	−16,6	+16,43	+ 3,1	+2	+3			
Oct. 7	+2,354	−17,4	+16,61	+ 0,5	+3	+3			
17	+2,179	−17,2	+16,52	− 2,2	+3	+4			
27	+2,010	−16,2	+16,18	− 4,7	+3	+4			
Nov. 6	+1,856	−14,3	+15,59	− 7,2	+2	+4			
16	+1,725	−11,7	+14,74	− 9,6	+2	+4			
26	+1,623	− 8,5	+13,67	−11,8	+2	+4			
Dec. 6	+1,556	− 4,9	+12,38	−13,9	+2	+5			
16	+1,526	− 1,1	+10,90	−15,5	+1	+5			
26	+1,535	+ 2,9	+ 9,28	−16,7	+1	+5			
36	+1,583	+ 6,7	+ 7,57	−17,3	0	+5			

Diei reducto addendum est:

ante / post } Jan. 11 { 0 / + 1

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *α Aquilae.*

		h ′ ″	° ′ ″
1770	Jan. 0	19 39 34,486	+ 8 16 40,37
	Apr. 10	34,462	41,01
	Jul. 19	34,430	41,60
	Oct. 27	34,390	42,14
	Dec. 66	34,342	42,62
1771	Jan. 0	19 39 37,288	+ 8 16 51,28
	Apr. 10	37,236	51,72
	Jul. 19	37,177	52,10
	Oct. 27	37,112	52,41
	Dec. 66	37,041	52,65
1772	Jan. 1	19 39 39,995	+ 8 17 1,89
	Apr. 10	39,920	1,58
	Jul. 19	39,841	1,70
	Oct. 27	39,758	1,74
	Dec. 66	39,672	1,70
1773	Jan. 0	19 39 42,630	+ 8 17 10,54
	Apr. 10	42,542	10,46
	Jul. 19	42,452	10,30
	Oct. 27	42,362	10,06
	Dec. 66	42,270	9,75
1774	Jan. 0	19 39 45,230	+ 8 17 18,69
	Apr. 10	45,138	18,34
	Jul. 19	45,049	17,92
	Oct. 27	44,965	17,44
	Dec. 66	44,876	16,89
1775	Jan. 0	19 39 47,833	+ 8 17 25,91
	Apr. 10	47,750	25,33
	Jul. 19	47,671	24,71
	Oct. 27	47,697	24,04
	Dec. 66	47,528	23,33
1776	Jan. 1	19 39 50,479	+ 8 17 32,40
	Apr. 10	50,413	31,67
	Jul. 19	50,355	30,91
	Oct. 27	50,303	30,14
	Dec. 66	50,258	29,35
1777	Jan. 0	19 39 53,201	+ 8 17 38,45
	Apr. 10	53,161	37,65
	Jul. 19	53,129	36,85
	Oct. 27	53,105	36,06
	Dec. 66	53,089	35,28
1778	Jan. 0	19 39 56,022	+ 8 17 44,38
	Apr. 10	56,012	43,61
	Jul. 19	56,009	42,86
	Oct. 27	56,014	42,15
	Dec. 66	56,027	41,46
1779	Jan. 0	19 39 58,952	+ 8 17 50,52
	Apr. 10	58,971	49,86
	Jul. 19	58,998	49,25
	Oct. 27	59,032	48,68
	Dec. 66	59,074	48,17
1780	Jan. 1	19 40 1,988	+ 8 17 57,19
	Apr. 10	2,035	56,71
	Jul. 19	2,087	56,29
	Oct. 27	2,145	55,94
	Dec. 66	2,210	55,65
1781	Jan. 0	19 40 5,117	+ 8 18 4,59
	Apr. 10	5,185	4,35
	Jul. 19	5,257	4,17
	Oct. 27	5,331	4,06
	Dec. 66	5,412	4,02
1782	Jan. 0	19 40 8,315	+ 8 18 12,88
	Apr. 10	8,397	12,89
	Jul. 19	8,480	12,97
	Oct. 27	8,565	13,12
	Dec. 66	8,652	13,34
1783	Jan. 0	19 40 11,553	+ 8 18 22,11
	Apr. 10	11,638	22,37
	Jul. 19	11,723	22,70
	Oct. 27	11,810	23,09
	Dec. 66	11,897	23,54
1784	Jan. 1	19 40 14,798	+ 8 18 32,25
	Apr. 10	14,882	32,73
	Jul. 19	14,962	33,27
	Oct. 27	15,039	33,85
	Dec. 66	15,113	34,49
1785	Jan. 0	19 40 18,019	+ 8 18 43,14
	Apr. 10	18,089	43,80
	Jul. 19	18,154	44,50
	Oct. 27	18,214	45,22
	Dec. 66	18,269	45,98
1786	Jan. 0	19 40 21,181	+ 8 18 54,59
	Apr. 10	21,231	55,36
	Jul. 19	21,274	56,14
	Oct. 27	21,310	56,93
	Dec. 66	21,340	57,72
1787	Jan. 0	19 40 24,260	+ 8 19 6,32
	Apr. 10	24,284	7,11
	Jul. 19	24,300	7,89
	Oct. 27	24,308	8,65
	Dec. 66	24,308	9,39
1788	Jan. 1	19 40 27,238	+ 8 19 18,02
	Apr. 10	27,232	18,74
	Jul. 19	27,218	19,42
	Oct. 27	27,196	20,07
	Dec. 66	27,165	20,67
1789	Jan. 0	19 40 30,105	+ 8 19 29,36
	Apr. 10	30,069	29,93
	Jul. 19	30,026	30,44
	Oct. 27	29,976	30,89
	Dec. 66	29,919	31,28

Tabulae X. Sect. II. *α Aquilae.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	s	″	s	″	″	″		h m s	° ′ ″
Jan. 0	−1,281	+ 5,1	− 0,03	−16,0	+1	+1	1770	19 39 35,5422	+ 8 16 35,412
10	−1,211	+ 8,8	− 1,65	−16,2	0	+1	1771	39 36,4716	16 44,224
20	−1,106	+12,2	− 3,26	−15,7	0	+1	1772	39 39,4010	16 53,039
30	−0,967	+15,4	− 4,79	−14,6	−1	+1	1773	39 42,3304	17 1,858
Febr. 9	−0,798	+18,3	− 6,18	−12,8	−1	+1	1774	39 45,2597	17 10,681
							1775	39 48,1890	17 19,508
19	−0,602	+20,8	− 7,35	−10,3	−2	+1	1776	39 51,1183	17 28,339
Mart. 1	−0,382	+23,1	− 8,24	− 7,3	−2	+1	1777	39 54,0475	17 37,174
11	−0,140	+25,1	− 8,81	− 3,9	−2	+1	1778	39 56,9768	17 46,012
21	+0,119	+26,7	− 9,02	− 0,3	−3	0	1779	39 59,9060	17 54,854
31	+0,394	+28,0	− 8,86	+ 3,5	−3	0	1780	40 2,8353	18 3,700
							1781	40 5,7645	18 12,550
Apr. 10	+0,679	+28,9	− 8,33	+ 7,1	−3	0	1782	40 8,6937	18 21,404
20	+0,972	+29,4	− 7,44	+10,6	−3	0	1785	40 11,6230	18 30,262
30	+1,266	+29,3	− 6,22	+13,6	−3	0	1784	40 14,5522	18 39,123
Maj. 10	+1,557	+28,7	− 4,73	+16,1	−2	0	1785	40 17,4814	18 47,987
20	+1,839	+27,4	− 3,01	+18,1	−2	0	1786	40 20,4106	18 56,856
							1787	40 23,3398	19 5,729
30	+2,105	+25,6	− 1,11	+19,5	−2	+1	1788	40 26,2688	19 14,606
Jun. 9	+2,351	+23,2	+ 0,88	+20,2	−2	+1	1789	40 29,1979	19 23,487
19	+2,568	+20,1	+ 2,93	+20,4	−1	+1	1790	40 32,1270	19 32,371
29	+2,753	+16,6	+ 4,96	+20,1	−1	+1			
Jul. 9	+2,900	+12,6	+ 6,94	+19,2	0	+1			
19	+3,005	+ 8,4	+ 8,80	+17,9	0	+2			
29	+3,067	+ 4,0	+10,51	+16,3	0	+2			
Aug. 8	+3,084	− 0,5	+12,05	+14,4	+1	+2			
18	+3,058	− 4,7	+13,38	+12,3	+1	+2			
28	+2,991	− 8,5	+14,50	+10,0	+2	+3			
Sept. 7	+2,888	−11,8	+15,38	+ 7,7	+2	+3			
17	+2,755	−14,4	+16,03	+ 5,3	+2	+3			
27	+2,600	−16,2	+16,44	+ 2,9	+2	+3			
Oct. 7	+2,432	−17,0	+16,61	+ 0,5	+3	+4			
17	+2,261	−16,9	+16,54	− 2,0	+3	+4			
27	+2,094	−15,9	+16,22	− 4,4	+3	+4			
Nov. 6	+1,943	−14,1	+15,67	− 6,7	+3	+4			
16	+1,813	−11,6	+14,89	− 8,9	+2	+4			
26	+1,712	− 8,4	+13,89	−11,0	+2	+4			
Dec. 6	+1,645	− 4,9	+12,69	−12,9	+2	+5			
16	+1,615	− 1,1	+11,32	−14,4	+1	+5			
26	+1,623	+ 2,8	+ 9,81	−15,6	+1	+5			
36	+1,670	+ 6,5	+ 8,21	−16,2	0	+5			

Diei reducto addendum est:

ante / post } Jan. 12 { 0 / + 1

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X, Sect. II. β *Aquilae.*

		h m s	° ′ ″
1770	Jan. 0	19 44 1,705	+ 5 50 56,09
	Apr. 10	1,679	56,72
	Jul. 19	1,645	57,30
	Oct. 27	1,603	57,83
	Dec. 66	1,554	58,30
1771	Jan. 0	19 44 4,523	+ 5 51 6,45
	Apr. 10	4,469	6,88
	Jul. 19	4,408	7,25
	Oct. 27	4,341	7,54
	Dec. 66	4,268	7,77
1772	Jan. 1	19 44 7,244	+ 5 51 16,01
	Apr. 10	7,167	16,19
	Jul. 19	7,086	16,29
	Oct. 27	7,001	16,32
	Dec. 66	6,913	16,27
1773	Jan. 0	19 44 9,894	+ 5 51 24,61
	Apr. 10	9,803	24,51
	Jul. 19	9,712	24,34
	Oct. 27	9,620	24,09
	Dec. 66	9,527	23,77
1774	Jan. 0	19 44 12,509	+ 5 51 32,21
	Apr. 10	12,416	31,85
	Jul. 19	12,325	31,42
	Oct. 27	12,236	30,93
	Dec. 66	12,149	30,38
1775	Jan. 0	19 44 15,129	+ 5 51 38,89
	Apr. 10	15,044	38,30
	Jul. 19	14,964	37,67
	Oct. 27	14,889	37,00
	Dec. 66	14,819	36,29
1776	Jan. 1	19 44 17,793	+ 5 51 44,86
	Apr. 10	17,727	44,12
	Jul. 19	17,668	43,36
	Oct. 27	17,616	42,59
	Dec. 66	17,570	41,80
1777	Jan. 0	19 44 20,536	+ 5 51 50,39
	Apr. 10	20,496	49,59
	Jul. 19	20,464	48,80
	Oct. 27	20,440	48,02
	Dec. 66	20,424	47,24
1778	Jan. 0	19 44 23,379	+ 5 51 55,83
	Apr. 10	23,369	55,06
	Jul. 19	23,368	54,32
	Oct. 27	23,375	53,61
	Dec. 66	23,390	52,93
1779	Jan. 0	19 44 26,334	+ 5 52 1,49
	Apr. 10	26,355	0,84
	Jul. 19	26,383	0,24
	Oct. 27	26,419	51 59,69
	Dec. 66	26,462	59,18

		h m s	° ′ ″
1780	Jan. 1	19 44 29,397	+ 5 52 7,68
	Apr. 10	29,445	7,21
	Jul. 19	29,499	6,81
	Oct. 27	29,559	6,47
	Dec. 66	29,625	6,20
1781	Jan. 0	19 44 32,553	+ 5 52 14,62
	Apr. 10	32,623	14,39
	Jul. 19	32,697	14,23
	Oct. 27	32,775	14,14
	Dec. 66	32,857	14,11
1782	Jan. 0	19 44 35,780	+ 5 52 22,46
	Apr. 10	35,864	22,48
	Jul. 19	35,949	22,57
	Oct. 27	36,036	22,73
	Dec. 66	36,125	22,96
1783	Jan. 0	19 44 39,046	+ 5 52 31,22
	Apr. 10	39,135	31,50
	Jul. 19	39,223	31,83
	Oct. 27	39,310	32,23
	Dec. 66	39,396	32,69
1784	Jan. 1	19 44 42,318	+ 5 52 40,88
	Apr. 10	42,403	41,38
	Jul. 19	42,484	41,92
	Oct. 27	42,562	42,52
	Dec. 66	42,637	43,16
1785	Jan. 0	19 44 45,563	+ 5 52 51,29
	Apr. 10	45,635	51,96
	Jul. 19	45,701	52,66
	Oct. 27	45,761	53,38
	Dec. 66	45,816	54,14
1786	Jan. 0	19 44 48,749	+ 5 53 2,25
	Apr. 10	48,800	3,02
	Jul. 19	48,843	3,79
	Oct. 27	48,879	4,57
	Dec. 66	48,908	5,36
1787	Jan. 0	19 44 51,850	+ 5 53 13,46
	Apr. 10	51,873	14,25
	Jul. 19	51,888	15,02
	Oct. 27	51,895	15,77
	Dec. 66	51,894	16,50
1788	Jan. 1	19 44 54,846	+ 5 53 24,63
	Apr. 10	54,839	25,34
	Jul. 19	54,824	26,02
	Oct. 27	54,800	26,65
	Dec. 66	54,769	27,24
1789	Jan. 0	19 44 57,731	+ 5 53 35,42
	Apr. 10	57,694	35,98
	Jul. 19	57,649	36,48
	Oct. 27	57,597	36,92
	Dec. 66	57,538	37,30

Tabulae X. Sect. II: β *Aquilae*.

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
								h ′ ″	° ′ ″
Jan. 0	−1,″267	+ 4,8	− 0,″23	−14,8	+1	+1	1770	19 44 0,7459	+ 5 50 51,041
10	−1,200	+ 8,5	− 1,73	−15,0	0	+1	1771	44 3,6968	50 59,346
20	−1,098	+11,9	− 3,22	−14,5	0	+1	1772	44 6,6477	51 7,655
30	−0,963	+15,0	− 4,63	−13,4	−1	+1	1773	44 9,5986	51 15,968
Febr. 9	−0,798	+17,9	− 5,90	−11,7	−1	+1	1774	44 12,5495	51 24,285
							1775	44 15,5004	51 32,605
19	−0,605	+20,5	− 6,97	− 9,4	−2	+1	1776	44 18,4512	51 40,929
Mart. 1	−0,389	+22,7	− 7,78	− 6,6	−2	+1	1777	44 21,4022	51 49,257
11	−0,151	+24,8	− 8,28	− 3,3	−2	+1	1778	44 24,3530	51 57,588
21	+0,106	+26,5	− 8,44	+ 0,2	−3	0	1779	44 27,3038	52 5,923
31	+0,378	+27,8	− 8,25	+ 3,6	−3	0	1780	44 30,2545	52 14,262
							1781	44 33,2053	52 22,604
Apr. 10	+0,661	+28,7	− 7,72	+ 7,1	−3	0	1782	44 36,1561	52 30,950
20	+0,952	+29,3	− 6,84	+10,3	−3	0	1783	44 39,1069	52 39,300
30	+1,246	+29,3	− 5,67	+13,1	−3	0	1784	44 42,0576	52 47,654
Maj. 10	+1,537	+28,7	− 4,23	+15,5	−2	0	1785	44 45,0083	52 56,011
20	+1,820	+27,6	− 2,58	+17,3	−2	0	1786	44 47,9590	53 4,372
							1787	44 50,9097	53 12,737
30	+2,089	+25,9	− 0,78	+18,5	−2	+1	1788	44 53,8604	53 21,105
Jun. 9	+2,338	+23,5	+ 1,11	+19,1	−2	+1	1789	44 56,8111	53 29,477
19	+2,559	+20,5	+ 3,04	+19,2	−1	+1	1790	44 59,7617	53 37,853
29	+2,748	+17,0	+ 4,95	+18,8	−1	+1			
Jul. 9	+2,900	+13,0	+ 6,79	+17,9	−1	+1			
19	+3,010	+ 8,9	+ 8,52	+16,6	0	+2			
29	+3,077	+ 4,5	+10,10	+14,9	0	+2			
Aug. 8	+3,100	+ 0,1	+11,50	+13,0	+1	+2			
18	+3,078	− 4,2	+12,70	+11,0	+1	+2			
28	+3,016	− 8,1	+13,70	+ 8,9	+1	+3			
Sept. 7	+2,917	−11,4	+14,48	+ 6,7	+2	+3			
17	+2,788	−14,0	+15,04	+ 4,5	+2	+3			
27	+2,637	−15,9	+15,37	+ 2,3	+2	+3			
Oct. 7	+2,471	−16,8	+15,49	+ 0,1	+2	+3			
17	+2,302	−16,7	+15,38	− 2,2	+3	+4			
27	+2,137	−15,8	+15,05	− 4,4	+3	+4			
Nov. 6	+1,986	−14,1	+14,51	− 6,4	+3	+4			
16	+1,856	−11,6	+13,77	− 8,4	+2	+4			
26	+1,755	− 8,5	+12,83	−10,4	+2	+4			
Dec. 6	+1,687	− 5,0	+11,70	−12,0	+2	+4			
16	+1,655	− 1,3	+10,43	−13,4	+1	+4			
26	+1,661	+ 2,5	+ 9,02	−14,4	+1	+4			
36	+1,705	+ 6,2	+ 7,55	−15,0	0	+4			

Diei reducto addendum est:

ante / post } Jan. 13 { 0 / + 1

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. 1α *Capricorni.*

		h ′ ″	° ′ ″
1770	Jan. 0	20 4 54,109	—13 12 4,06
	Apr. 10	54,070	3,48
	Jul. 19	54,024	2,96
	Oct. 27	53,969	2,49
	Dec. 66	53,905	2,07
1771	Jan. 0	20 4 57,265	—13 11 51,83
	Apr. 10	57,196	51,46
	Jul. 19	57,120	51,15
	Oct. 27	57,038	50,92
	Dec. 66	56,949	50,75
1772	Jan. 1	20 5 0,317	—13 11 40,42
	Apr. 10	0,225	40,30
	Jul. 19	0,129	40,26
	Oct. 27	0,029	40,29
	Dec. 66	4 59,926	40,40
1773	Jan. 0	20 5 3,298	—13 11 29,97
	Apr. 10	3,194	30,13
	Jul. 19	3,089	30,36
	Oct. 27	2,984	30,65
	Dec. 66	2,879	31,02
1774	Jan. 0	20 5 6,251	—13 11 20,50
	Apr. 10	6,147	20,91
	Jul. 19	6,046	21,38
	Oct. 27	5,948	21,91
	Dec. 66	5,854	22,49
1775	Jan. 0	20 5 9,222	—13 11 11,89
	Apr. 10	9,131	12,50
	Jul. 19	9,046	13,16
	Oct. 27	8,967	13,85
	Dec. 66	8,894	14,57
1776	Jan. 1	20 5 12,254	—13 11 3,93
	Apr. 10	12,187	4,67
	Jul. 19	12,128	5,43
	Oct. 27	12,077	6,20
	Dec. 66	12,034	6,99
1777	Jan. 0	20 5 15,384	—13 10 56,32
	Apr. 10	15,347	57,10
	Jul. 19	15,320	57,88
	Oct. 27	15,302	58,64
	Dec. 66	15,294	59,39
1778	Jan. 0	20 5 18,633	—13 10 48,74
	Apr. 10	18,631	49,47
	Jul. 19	18,639	50,17
	Oct. 27	18,656	50,84
	Dec. 66	18,682	51,47
1779	Jan. 0	20 5 22,009	—13 10 40,85
	Apr. 10	22,041	41,46
	Jul. 19	22,082	42,01
	Oct. 27	22,131	42,51
	Dec. 66	22,189	42,96
1780	Jan. 1	20 5 25,505	—13 10 32,40
	Apr. 10	25,567	32,81
	Jul. 19	25,636	33,15
	Oct. 27	25,711	33,43
	Dec. 66	25,792	33,65
1781	Jan. 0	20 5 29,101	—13 10 23,16
	Apr. 10	29,186	23,33
	Jul. 19	29,274	23,44
	Oct. 27	29,366	23,47
	Dec. 66	29,462	23,44
1782	Jan. 0	20 5 32,766	—13 10 13,04
	Apr. 10	32,864	12,96
	Jul. 19	32,963	12,81
	Oct. 27	33,063	12,60
	Dec. 66	33,164	12,32
1783	Jan. 0	20 5 36,467	—13 10 1,99
	Apr. 10	36,567	1,67
	Jul. 19	36,666	1,29
	Oct. 27	36,763	0,86
	Dec. 66	36,858	0,36
1784	Jan. 1	20 5 40,163	—13 9 50,10
	Apr. 10	40,256	49,57
	Jul. 19	40,344	49,00
	Oct. 27	40,428	48,38
	Dec. 66	40,507	47,72
1785	Jan. 0	20 5 43,817	—13 9 37,51
	Apr. 10	43,893	36,83
	Jul. 19	43,961	36,12
	Oct. 27	44,022	35,39
	Dec. 66	44,077	34,63
1786	Jan. 0	20 5 47,396	—13 9 24,45
	Apr. 10	47,445	23,68
	Jul. 19	47,486	22,92
	Oct. 27	47,518	22,15
	Dec. 66	47,541	21,38
1787	Jan. 0	20 5 50,870	—13 9 11,19
	Apr. 10	50,888	10,43
	Jul. 19	50,896	9,69
	Oct. 27	50,894	8,98
	Dec. 66	50,883	8,28
1788	Jan. 1	20 5 54,224	—13 8 58,06
	Apr. 10	54,207	57,39
	Jul. 19	54,180	56,76
	Oct. 27	54,144	56,17
	Dec. 66	54,099	55,65
1789	Jan. 0	20 5 57,451	—13 8 45,36
	Apr. 10	57,400	44,85
	Jul. 19	57,341	44,41
	Oct. 27	57,274	44,09
	Dec. 66	57,200	43,71

Tabulae X. Sect. II. 1α *Capricorni.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″	″	″		h ′ ″	° ′ ″
Jan. 0	−1,255	+ 4,3	− 2,54	− 3,5	+1	−1	1770	20 4 53,0523	−13 12 9,524
10	−1,194	+ 7,9	− 2,88	− 3,1	+1	−1	1771	4 56,3898	11 59,146
20	−1,098	+11,3	− 3,16	− 2,5	0	−1	1772	4 59,7272	11 48,764
30	−0,969	+14,4	− 3,37	− 1,7	0	−1	1773	5 3,0645	11 38,378
Febr. 9	−0,810	+17,3	− 3,49	− 0,5	−1	−1	1774	5 6,4018	11 27,988
							1775	5 9,7390	11 17,593
19	−0,623	+20,0	− 3,47	+ 1,0	−1	−1	1776	5 13,0761	11 7,194
Mart. 1	−0,410	+22,5	− 3,30	+ 2,6	−2	−1	1777	5 16,4131	10 56,791
11	−0,174	+24,7	− 2,96	+ 4,3	−2	−1	1778	5 19,7500	10 46,384
21	+0,083	+26,6	− 2,44	+ 6,2	−3	0	1779	5 23,0869	10 35,975
31	+0,357	+28,2	− 1,78	+ 7,9	−3	0	1780	5 26,4237	10 25,559
							1781	5 29,7604	10 15,140
Apr. 10	+0,646	+29,5	− 0,86	+ 9,5	−3	0	1782	5 33,0970	10 4,717
20	+0,947	+30,4	+ 0,17	+10,9	−3	0	1783	5 36,4335	9 54,290
30	+1,254	+30,8	+ 1,32	+12,0	−3	+1	1784	5 39,7700	9 43,859
Maj. 10	+1,563	+30,7	+ 2,56	+12,6	−3	+1	1785	5 43,1064	9 33,423
20	+1,868	+30,0	+ 3,84	+12,8	−3	+1	1786	5 46,4427	9 22,985
							1787	5 49,7789	9 12,539
30	+2,162	+28,6	+ 5,12	+12,6	−3	+2	1788	5 53,1150	9 2,091
Jun. 9	+2,439	+26,5	+ 6,36	+12,0	−3	+2	1789	5 56,4511	8 51,639
19	+2,692	+23,8	+ 7,52	+11,1	−2	+2	1790	5 59,7871	8 41,184
29	+2,914	+20,4	+ 8,57	+ 9,8	−2	+3			
Jul. 9	+3,100	+16,6	+ 9,48	+ 8,3	−1	+3			
19	+3,245	+12,3	+10,23	+ 6,7	−1	+3			
29	+3,345	+ 7,7	+10,82	+ 5,0	−1	+4			
Aug. 8	+3,398	+ 3,0	+11,23	+ 3,4	0	+4			
18	+3,405	− 1,5	+11,49	+ 1,8	0	+4			
28	+3,368	− 5,7	+11,59	+ 0,4	+1	+4			
Sept. 7	+3,291	− 9,4	+11,57	− 0,7	+1	+4			
17	+3,180	−12,5	+11,45	− 1,7	+2	+4			
27	+3,042	−14,7	+11,24	− 2,4	+2	+4			
Oct. 7	+2,886	−16,0	+10,97	− 3,0	+2	+4			
17	+2,722	−16,3	+10,65	− 3,3	+3	+4			
27	+2,560	−15,7	+10,31	− 3,5	+3	+4			
Nov. 6	+2,409	−14,2	+ 9,96	− 3,6	+3	+4			
16	+2,277	−11,9	+ 9,59	− 3,7	+2	+4			
26	+2,172	− 8,9	+ 9,22	− 3,8	+2	+4			
Dec. 6	+2,099	− 5,5	+ 8,84	− 3,8	+2	+4			
16	+2,062	− 1,9	+ 8,46	− 3,8	+1	+4			
26	+2,062	+ 1,9	+ 8,09	− 3,6	+1	+4			
36	+2,100	+ 5,6	+ 7,74	− 3,4	0	+3			

Diei reducto addendum est:

ante / post } Jan. 18 { 0 / + 1

In mensa. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. 2α *Capricorni.*

		α	δ
1770	Jan. 0	20 5 17,691	—13 14 23,34
	Apr. 10	17,653	22,76
	Jul. 19	17,606	22,24
	Oct. 27	17,550	21,77
	Dec. 66	17,486	21,36
1771	Jan. 0	20 5 20,851	—13 14 11,08
	Apr. 10	20,782	10,71
	Jul. 19	20,706	10,41
	Oct. 27	20,624	10,17
	Dec. 66	20,535	10,01
1772	Jan. 1	20 5 23,907	—13 13 59,65
	Apr. 10	23,815	59,53
	Jul. 19	23,719	59,49
	Oct. 27	23,620	59,53
	Dec. 66	23,517	59,64
1773	Jan. 0	20 5 26,893	—13 13 49,18
	Apr. 10	26,789	49,34
	Jul. 19	26,684	49,56
	Oct. 27	26,579	49,86
	Dec. 66	26,474	50,23
1774	Jan. 0	20 5 29,851	—13 13 39,68
	Apr. 10	29,747	40,09
	Jul. 19	29,646	40,56
	Oct. 27	29,548	41,09
	Dec. 66	29,454	41,67
1775	Jan. 0	20 5 32,826	—13 13 31,05
	Apr. 10	32,735	31,66
	Jul. 19	32,650	32,31
	Oct. 27	32,571	33,00
	Dec. 66	32,498	33,73
1776	Jan. 1	20 5 35,863	—13 13 23,06
	Apr. 10	35,695	23,80
	Jul. 19	35,736	24,56
	Oct. 27	35,685	25,33
	Dec. 66	35,642	26,12
1777	Jan. 0	20 5 38,997	—13 13 15,42
	Apr. 10	38,961	16,21
	Jul. 19	38,934	16,98
	Oct. 27	38,916	17,74
	Dec. 66	38,908	18,49
1778	Jan. 0	20 5 42,251	—13 13 7,81
	Apr. 10	42,249	8,54
	Jul. 19	42,257	9,24
	Oct. 27	42,274	9,91
	Dec. 66	42,300	10,54
1779	Jan. 0	20 5 45,632	—13 12 59,90
	Apr. 10	45,664	13 0,50
	Jul. 19	45,705	1,05
	Oct. 27	45,754	1,55
	Dec. 66	45,811	2,00
1780	Jan. 1	20 5 49,132	—13 12 51,41
	Apr. 10	49,194	51,82
	Jul. 19	49,263	52,16
	Oct. 27	49,338	52,44
	Dec. 66	49,419	52,66
1781	Jan. 0	20 5 52,733	—13 12 42,14
	Apr. 10	52,818	42,31
	Jul. 19	52,906	42,42
	Oct. 27	52,998	42,45
	Dec. 66	53,094	42,42
1782	Jan. 0	20 5 56,403	—13 12 31,99
	Apr. 10	56,501	31,91
	Jul. 19	56,600	31,76
	Oct. 27	56,700	31,54
	Dec. 66	56,801	31,26
1783	Jan. 0	20 6 0,108	—13 12 20,91
	Apr. 10	0,208	20,59
	Jul. 19	0,307	20,21
	Oct. 27	0,404	19,77
	Dec. 66	0,499	19,27
1784	Jan. 1	20 6 3,809	—13 12 8,99
	Apr. 10	3,902	8,46
	Jul. 19	3,990	7,88
	Oct. 27	4,073	7,26
	Dec. 66	4,152	6,60
1785	Jan. 0	20 6 7,468	—13 11 56,37
	Apr. 10	7,543	55,69
	Jul. 19	7,611	54,98
	Oct. 27	7,643	54,25
	Dec. 66	7,727	53,49
1786	Jan. 0	20 6 11,051	—13 11 43,28
	Apr. 10	11,100	42,51
	Jul. 19	11,140	41,75
	Oct. 27	11,172	40,98
	Dec. 66	11,196	40,21
1787	Jan. 0	20 6 14,530	—13 11 30,00
	Apr. 10	14,547	29,24
	Jul. 19	14,555	28,50
	Oct. 27	14,553	27,78
	Dec. 66	14,542	27,09
1788	Jan. 1	20 6 17,888	—13 11 16,84
	Apr. 10	17,870	16,17
	Jul. 19	17,843	15,54
	Oct. 27	17,808	14,96
	Dec. 66	17,763	14,42
1789	Jan. 0	20 6 21,119	—13 11 4,11
	Apr. 10	21,068	3,61
	Jul. 19	21,009	3,17
	Oct. 27	20,943	2,79
	Dec. 66	20,868	2,47

Tabulae X. Sect. II. 2a *Capricorni.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″				h ′ ″	° ′ ″
Jan. 0	—1,255	+ 4,2	— 2,56	— 3,5	+1	—1	1770	20 5 16,6339	—13 14 28,808
10	—1,194	+ 7,9	— 2,89	— 3,1	+1	—1	1771	5 19,9760	14 18,402
20	—1,098	+11,2	— 3,17	— 2,5	0	—1	1772	5 23,3180	14 7,992
30	—0,970	+14,4	— 3,38	— 1,6	0	—1	1773	5 26,6599	13 57,578
Febr. 9	—0,810	+17,4	— 3,48	— 0,4	—1	—1	1774	5 30,0017	13 47,160
							1775	5 33,3434	13 36,738
19	—0,623	+20,0	— 3,46	+ 1,0	—1	—1	1776	5 36,6851	13 26,312
Mart. 1	—0,411	+22,4	— 3,29	+ 2,6	—2	—1	1777	5 40,0267	13 15,882
11	—0,175	+24,6	— 2,95	+ 4,4	—2	—1	1778	5 43,3682	13 5,448
21	+0,081	+26,6	— 2,42	+ 6,2	—3	0	1779	5 46,7096	12 55,009
31	+0,356	+28,2	— 1,71	+ 8,0	—3	0	1780	5 50,0508	12 44,566
							1781	5 53,3921	12 34,119
Apr. 10	+0,645	+29,5	— 0,85	+ 9,6	—3	0	1782	5 56,7333	12 23,668
20	+0,946	+30,4	+ 0,20	+10,9	—3	0	1783	6 0,0744	12 13,213
30	+1,253	+30,9	+ 1,35	+12,0	—3	0	1784	6 3,4154	12 2,754
Maj. 10	+1,563	+30,8	+ 2,59	+12,6	—3	+1	1785	6 6,7563	11 52,291
20	+1,868	+30,0	+ 3,87	+12,8	—3	+1	1786	6 10,0972	11 41,824
							1787	6 13,4380	11 31,353
30	+2,162	+28,6	+ 5,15	+12,6	—3	+2	1788	6 16,7787	11 20,878
Jun. 9	+2,440	+26,6	+ 6,39	+12,0	—3	+2	1789	6 20,1198	11 10,398
19	+2,693	+23,8	+ 7,55	+11,1	—2	+2	1790	6 23,4597	10 59,914
29	+2,915	+20,5	+ 8,60	+ 9,8	—2	+3			
Jul. 9	+3,102	+16,6	+ 9,51	+ 8,3	—2	+3			
19	+3,247	+12,3	+10,26	+ 6,7	—1	+3			
29	+3,347	+ 7,7	+10,84	+ 5,0	—1	+4			
Aug. 8	+3,401	+ 3,1	+11,25	+ 3,4	0	+4			
18	+3,409	— 1,4	+11,51	+ 1,8	0	+4			
28	+3,373	— 5,7	+11,61	+ 0,4	+1	+4			
Sept. 7	+3,296	— 9,4	+11,59	— 0,8	+1	+4			
17	+3,185	—12,5	+11,46	— 1,7	+2	+4			
27	+3,047	—14,7	+11,25	— 2,4	+2	+4			
Oct. 7	+2,892	—16,0	+10,98	— 3,0	+2	+4			
17	+2,728	—16,3	+10,66	— 3,3	+2	+4			
27	+2,566	—15,7	+10,32	— 3,5	+3	+4			
Nov. 6	+2,415	—14,2	+ 9,97	— 3,6	+3	+4			
16	+2,283	—11,9	+ 9,60	— 3,7	+2	+4			
26	+2,178	— 8,9	+ 9,23	— 3,8	+2	+4			
Dec. 6	+2,105	— 5,5	+ 8,85	— 3,8	+2	+4			
16	+2,068	— 1,9	+ 8,48	— 3,7	+1	+4			
26	+2,068	+ 1,9	+ 8,11	— 3,6	+1	+3			
36	+2,105	+ 5,6	+ 7,76	— 3,3	0	+3			

Diei reducto addendum est:

ante / post } Jan. 18 { 0 / + 1

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *α Cygni*.

1770	Jan. 0	20 33 36,619	+44 28 9,13	1780	Jan. 1	20 33 55,489	+44 30 0,68
	Apr. 10	36,632	9,63		Apr. 10	55,495	0,36
	Jul. 19	36,638	10,08		Jul. 19	55,508	0,10
	Oct. 27	36,637	10,46		Oct. 27	55,527	29 59,90
	Dec. 66	36,630	10,79		Dec. 66	55,553	59,77
1771	Jan. 0	20 33 38,673	+44 28 23,14	1781	Jan. 0	20 33 57,584	+44 30 12,28
	Apr. 10	38,661	23,43		Apr. 10	57,613	12,19
	Jul. 19	38,643	23,64		Jul. 19	57,648	12,17
	Oct. 27	38,618	23,79		Oct. 27	57,687	12,22
	Dec. 66	38,586	23,86		Dec. 66	57,732	12,33
1772	Jan. 1	20 33 40,637	+44 28 36,30	1782	Jan. 0	20 33 59,757	+44 30 24,76
	Apr. 10	40,602	36,33		Apr. 10	59,805	24,91
	Jul. 19	40,561	36,29		Jul. 19	59,857	25,13
	Oct. 27	40,514	36,17		Oct. 27	59,913	25,41
	Dec. 66	40,462	35,98		Dec. 66	59,973	25,76
1773	Jan. 0	20 33 42,520	+44 28 48,51	1783	Jan. 0	20 34 1,998	+44 30 38,11
	Apr. 10	42,464	48,28		Apr. 10	2,055	38,49
	Jul. 19	42,405	47,98		Jul. 19	2,119	38,93
	Oct. 27	42,342	47,62		Oct. 27	2,185	39,41
	Dec. 66	42,276	47,19		Dec. 66	2,254	39,95
1774	Jan. 0	20 33 44,339	+44 28 59,79	1784	Jan. 1	20 34 4,271	+44 30 52,25
	Apr. 10	44,270	59,32		Apr. 10	4,340	52,82
	Jul. 19	44,200	58,81		Jul. 19	4,410	53,42
	Oct. 27	44,129	58,24		Oct. 27	4,480	54,06
	Dec. 66	44,056	57,62		Dec. 66	4,550	54,74
1775	Jan. 0	20 33 46,121	+44 29 10,29	1785	Jan. 0	20 34 6,567	+44 31 6,99
	Apr. 10	46,048	9,64		Apr. 10	6,636	7,69
	Jul. 19	45,975	8,97		Jul. 19	6,704	8,40
	Oct. 27	45,904	8,26		Oct. 27	6,769	9,13
	Dec. 66	45,834	7,55		Dec. 66	6,833	9,87
1776	Jan. 1	20 33 47,897	+44 29 20,24	1786	Jan. 0	20 34 8,852	+44 31 22,10
	Apr. 10	47,828	19,49		Apr. 10	8,914	22,85
	Jul. 19	47,762	18,74		Jul. 19	8,972	23,59
	Oct. 27	47,699	17,99		Oct. 27	9,027	24,33
	Dec. 66	47,639	17,23		Dec. 66	9,077	25,06
1777	Jan. 0	20 33 49,698	+44 29 29,94	1787	Jan. 0	20 34 11 101	+44 31 37,30
	Apr. 10	49,641	29,19		Apr. 10	11,149	38,02
	Jul. 19	49,589	28,45		Jul. 19	11,191	38,72
	Oct. 27	49,542	27,73		Oct. 27	11,227	39,38
	Dec. 66	49,499	27,03		Dec. 66	11,258	40,01
1778	Jan. 0	20 33 51,552	+44 29 39,73	1788	Jan. 1	20 34 13,289	+44 31 52,29
	Apr. 10	51,513	39,05		Apr. 10	13,316	53,90
	Jul. 19	51,481	38,40		Jul. 19	13,337	53,46
	Oct. 27	51,454	37,80		Oct. 27	13,351	53,97
	Dec. 66	51,433	37,24		Dec. 66	13,359	54,43
1779	Jan. 0	20 33 53,479	+44 29 49,89	1789	Jan. 0	20 34 15,398	+44 32 6,77
	Apr. 10	53,462	49,36		Apr. 10	15,400	7,20
	Jul. 19	53,452	48,88		Jul. 19	15,396	7,56
	Oct. 27	53,448	48,46		Oct. 27	15,387	7,86
	Dec. 66	53,450	48,10		Dec. 66	15,371	8,09

Tabulae X. Sect. II. *α Cygni.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″				h ′ ″	° ′ ″
Jan. 0	−1,606	− 7,2	+ 6,44	−26,6	0	+2	1770	20 33 35,8585	+44 28 3,180
10	−1,655	− 2,4	+ 3,67	−28,5	0	+3	1771	33 37,8984	28 15,630
20	−1,654	+ 2,6	+ 0,74	−29,6	−1	+3	1772	33 39,9385	28 28,083
30	−1,604	+ 7,6	− 2,24	−29,4	−1	+3	1773	33 41,9782	28 40,538
Febr. 9	−1,503	+12,5	− 5,13	−28,0	−2	+3	1774	33 44,0182	28 52,995
							1775	33 46,0582	29 5,454
19	−1,354	+17,2	− 7,84	−25,6	−2	+2	1776	33 48,0982	29 17,915
Mart. 1	−1,159	+21,7	−10,24	−22,1	−2	+2	1777	33 50,1382	29 30,379
11	−0,921	+25,8	−12,25	−17,7	−3	+2	1778	33 52,1783	29 42,845
21	−0,644	+29,4	−13,77	−12,6	−3	+1	1779	33 54,2184	29 55,313
31	−0,333	+32,4	−14,76	− 7,0	−3	+1	1780	33 56,2585	30 7,784
							1781	33 58,2986	30 20,257
Apr. 10	+0,004	+34,7	−15,17	− 1,2	−3	+1	1782	34 0,3388	30 32,732
20	+0,360	+36,1	−14,99	+ 4,7	−3	0	1783	34 2,3790	30 45,209
30	+0,726	+36,7	−14,23	+10,4	−2	0	1784	34 4,4192	30 57,689
Maj. 10	+1,094	+36,5	−12,92	+15,6	−2	0	1785	34 6,4594	31 10,171
20	+1,455	+35,3	−11,11	+20,4	−2	−1	1786	34 8,4996	31 22,655
							1787	34 10,5399	31 35,142
30	+1,799	+33,1	− 8,84	+24,5	−1	−1	1788	34 12,5802	31 47,631
Jun. 9	+2,117	+30,1	− 6,21	+27,8	−1	−1	1789	34 14,6205	32 0,122
19	+2,401	+26,3	− 3,29	+30,3	−1	−1	1790	34 16,6608	32 12,615
29	+2,643	+21,8	− 0,15	+32,1	0	−1			
Jul. 9	+2,837	+16,8	+ 3,12	+32,9	0	−1			
19	+2,978	+11,3	+ 6,43	+33,0	+1	−1			
29	+3,063	+ 5,7	+ 9,72	+32,4	+1	−1			
Aug. 8	+3,091	0,0	+12,91	+31,0	+1	−1			
18	+3,063	− 5,6	+15,92	+29,0	+2	0			
28	+2,980	−10,8	+18,71	+26,5	+2	0			
Sept. 7	+2,848	−15,4	+21,21	+23,4	+2	+0			
17	+2,672	−19,4	+23,38	+19,8	+3	+1			
27	+2,461	−22,5	+25,17	+15,8	+3	+1			
Oct. 7	+2,223	−24,7	+26,54	+11,5	+3	+1			
17	+1,967	−26,0	+27,46	+ 6,9	+3	+2			
27	+1,704	−26,2	+27,92	+ 2,1	+3	+2			
Nov. 6	+1,444	−25,4	+27,87	− 3,0	+3	+3			
16	+1,197	−23,7	+27,33	− 7,9	+3	+3			
26	+0,970	−21,3	+26,30	−12,7	+2	+4			
Dec. 6	+0,772	−18,1	+24,79	−17,3	+2	+4			
16	+0,609	−14,3	+22,85	−21,4	+2	+4			
26	+0,487	−10,1	+20,52	−24,8	+1	+5			
36	+0,409	− 5,4	+17,90	−27,5	+1	+5			

Diei reducto addendum est:

ante / post } Jan. 25 { 0 / + 1

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *α Aquarii.*

1770	Jan. 0	21 53 58,903	— 1 25 35,63	1780	Jan. 1	21 54 27,891	— 1 22 58,73
	Apr. 10	58,872	35,38		Apr. 10	27,944	58,80
	Jul. 19	58,833	35,19		Jul. 19	28,004	58,80
	Oct. 27	58,787	35,06		Oct. 27	28,070	58,75
	Dec. 66	58,732	34,99		Dec. 66	28,142	58,65
1771	Jan. 0	21 54 1,837	— 1 25 17,92	1781	Jan. 0	21 54 31,203	— 1 22 41,57
	Apr. 10	1,777	17,90		Apr. 10	31,278	41,42
	Jul. 19	1,711	17,94		Jul. 19	31,357	41,21
	Oct. 27	1,638	18,05		Oct. 27	31,440	40,94
	Dec. 66	1,559	18,22		Dec. 66	31,526	40,62
1772	Jan. 1	21 54 4,673	— 1 25 1,07	1782	Jan. 0	21 54 34,583	— 1 22 23,62
	Apr. 10	4,590	1,29		Apr. 10	34,672	23,27
	Jul. 19	4,504	1,56		Jul. 19	34,763	22,87
	Oct. 27	4,414	1,89		Oct. 27	34,854	22,42
	Dec. 66	4,320	2,28		Dec. 66	34,947	21,92
1773	Jan. 0	21 54 7,438	— 1 24 45,06	1783	Jan. 0	21 54 38,002	— 1 22 4,98
	Apr. 10	7,342	45,48		Apr. 10	38,095	4,46
	Jul. 19	7,246	45,95		Jul. 19	38,187	3,91
	Oct. 27	7,149	46,47		Oct. 27	38,277	3,33
	Dec. 66	7,051	47,03		Dec. 66	38,367	2,72
1774	Jan. 0	21 54 10,170	— 1 24 29,75	1784	Jan. 1	21 54 41,422	— 1 21 45,81
	Apr. 10	10,073	30,34		Apr. 10	41,510	45,18
	Jul. 19	9,978	30,95		Jul. 19	41,594	44,54
	Oct. 27	9,886	31,60		Oct. 27	41,674	43,89
	Dec. 66	9,797	32,27		Dec. 66	41,750	43,22
1775	Jan. 0	21 54 12,912	— 1 24 14,95	1785	Jan. 0	21 54 44,810	— 1 21 26,33
	Apr. 10	12,825	15,63		Apr. 10	44,883	25,66
	Jul. 19	12,744	16,31		Jul. 19	44,950	24,99
	Oct. 27	12,668	17,00		Oct. 27	45,011	24,33
	Dec. 66	12,597	17,69		Dec. 66	45,065	23,68
1776	Jan. 1	21 54 15,706	— 1 24 0,36	1786	Jan. 0	21 54 48,133	— 1 21 6,78
	Apr. 10	15,640	1,05		Apr. 10	48,183	6,14
	Jul. 19	15,581	1,72		Jul. 19	48,225	5,52
	Oct. 27	15,530	2,37		Oct. 27	48,259	4,93
	Dec. 66	15,487	3,01		Dec. 66	48,285	4,37
1777	Jan. 0	21 54 18,585	— 1 23 45,70	1787	Jan. 0	21 54 51,363	— 1 20 47,43
	Apr. 10	18,546	46,32		Apr. 10	51,383	46,89
	Jul. 19	18,516	46,90		Jul. 19	51,396	46,39
	Oct. 27	18,495	47,44		Oct. 27	51,400	45,94
	Dec. 66	18,483	47,95		Dec. 66	51,395	45,55
1778	Jan. 0	21 54 21,572	— 1 23 30,68	1788	Jan. 1	21 54 54,483	— 1 20 28,54
	Apr. 10	21,565	31,16		Apr. 10	54,472	28,17
	Jul. 19	21,567	31,58		Jul. 19	54,452	27,85
	Oct. 27	21,578	31,96		Oct. 27	54,424	27,59
	Dec. 66	21,597	32,28		Dec. 66	54,387	27,38
1779	Jan. 0	21 54 24,675	— 1 23 15,08	1789	Jan. 0	21 54 57,485	— 1 20 10,32
	Apr. 10	24,700	15,38		Apr. 10	57,443	10,16
	Jul. 19	24,733	15,61		Jul. 19	57,398	10,06
	Oct. 27	24,774	15,77		Oct. 27	57,336	10,02
	Dec. 66	24,823	15,86		Dec. 66	57,271	10,05

Tabulae X. Sect. II. *α Aquarii.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	′ ″	′ ″				h ′ ″	° ′ ″
Jan. 0	−0,850	− 5,1	− 1,34	− 7,7	+2	+1	1770	21 53 57,9098	− 1 25 42,423
10	−0,889	− 2,6	− 2,11	− 7,6	+2	+1	1771	54 0,9959	25 25,340
20	−0,902	+ 0,1	− 2,85	− 7,0	+2	+1	1772	54 4,0820	25 8,255
30	−0,887	+ 2,9	− 3,51	− 6,1	+1	+1	1773	54 7,1680	24 51,167
Febr. 9	−0,845	+ 5,7	− 4,07	− 4,8	0	+1	1774	54 10,2540	24 34,077
							1775	54 13,3398	24 16,985
19	−0,774	+ 8,7	− 4,47	− 3,1	0	0	1776	54 16,4257	23 59,890
Mart. 1	−0,672	+11,8	− 4,68	− 1,0	−1	0	1777	54 19,5115	23 42,793
11	−0,539	+14,9	− 4,66	+ 1,5	−1	0	1778	54 22,5973	23 25,693
21	−0,375	+17,9	− 4,39	+ 4,0	−2	0	1779	54 25,6831	23 8,592
31	−0,181	+20,9	− 3,86	+ 6,8	−2	0	1780	54 28,7688	22 51,488
							1781	54 31,8545	22 34,382
Apr. 10	+0,043	+23,8	− 3,04	+ 9,5	−2	−1	1782	54 34,9401	22 17,274
20	+0,294	+26,5	− 1,97	+12,0	−3	−1	1783	54 38,0257	22 0,164
30	+0,568	+28,4	− 0,64	+14,4	−3	−1	1784	54 41,1112	21 43,051
Maj. 10	+0,861	+29,9	+ 0,90	+16,3	−3	−1	1785	54 44,1967	21 25,936
20	+1,166	+30,8	+ 2,61	+17,8	−3	−1	1786	54 47,2822	21 8,819
							1787	54 50,3676	20 51,699
30	+1,477	+31,0	+ 4,45	+18,8	−3	−1	1788	54 53,4530	20 34,577
Jun. 9	+1,785	+30,4	+ 6,36	+19,3	−3	−1	1789	54 56,5383	20 17,453
19	+2,085	+29,1	+ 8,30	+19,2	−3	0	1790	54 59,6235	20 0,326
29	+2,366	+26,9	+10,20	+18,6	−2	0			
Jul. 9	+2,623	+24,1	+12,02	+17,6	−2	0			
19	+2,848	+20,7	+13,72	+16,2	−2	0			
29	+3,036	+16,8	+15,25	+14,4	−1	+1			
Aug. 8	+3,183	+12,5	+16,59	+12,3	−1	+1			
18	+3,286	+ 8,1	+17,71	+10,2	−1	+1			
28	+3,345	+ 3,8	+18,62	+ 8,0	0	+2			
Sept. 7	+3,361	− 0,4	+19,31	+ 5,8	0	+2			
17	+3,337	− 4,2	+19,78	+ 3,7	+1	+2			
27	+3,278	− 7,4	+20,05	+ 1,8	+1	+3			
Oct. 7	+3,189	−10,0	+20,13	− 0,1	+2	+3			
17	+3,078	−11,9	+20,04	− 1,7	+2	+3			
27	+2,952	−13,0	+19,80	− 3,1	+2	+3			
Nov. 6	+2,819	−13,3	+19,43	− 4,3	+3	+3			
16	+2,686	−12,9	+18,95	− 5,3	+3	+4			
26	+2,561	−12,0	+18,37	− 6,2	+3	+4			
Dec. 6	+2,446	−10,6	+17,71	− 6,9	+3	+4			
16	+2,349	− 8,7	+17,00	− 7,4	+2	+4			
26	+2,272	− 6,6	+16,24	− 7,7	+2	+4			
36	+2,218	− 4,2	+15,47	− 7,7	+2	+3			

Diei reducto addendum est:

ante } Febr. 14 { 0
post } { + 1

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *a Piscis austrini.*

1770	Jan. 0	22 44 54,753	—30 50 1,73		1780	Jan. 1	22 45 26,502	—30 47 7,81	
	Apr. 10	54,691	1,66			Apr. 10	26,584	7,71	
	Jul. 19	54,622	1,65			Jul. 19	26,671	7,55	
	Oct. 27	54,545	1,69			Oct. 27	26,763	7,34	
	Dec. 66	54,461	1,80			Dec. 66	26,860	7,08	
1771	Jan. 0	22 44 57,842	—30 49 42,99		1781	Jan. 0	22 45 30,177	—30 46 48,39	
	Apr. 10	57,753	43,14			Apr. 10	30,276	48,09	
	Jul. 19	57,660	43,35			Jul. 19	30,377	47,75	
	Oct. 27	57,562	43,61			Oct. 27	30,480	47,36	
	Dec. 66	57,459	43,93			Dec. 66	30,584	46,92	
1772	Jan. 1	22 45 0,845	—30 49 25,05		1782	Jan. 0	22 45 33,899	—30 46 28,29	
	Apr. 10	0,740	25,41			Apr. 10	34,004	27,83	
	Jul. 19	0,633	25,81			Jul. 19	34,108	27,34	
	Oct. 27	0,525	26,26			Oct. 27	34,211	26,81	
	Dec. 66	0,415	26,76			Dec. 66	34,312	26,25	
1773	Jan. 0	22 45 3,803	—30 49 7,82		1783	Jan. 0	22 45 37,628	—30 46 7,66	
	Apr. 10	3,693	8,34			Apr. 10	37,728	7,09	
	Jul. 19	3,586	8,89			Jul. 19	37,824	6,50	
	Oct. 27	3,480	9,48			Oct. 27	37,916	5,89	
	Dec. 66	3,377	10,09			Dec. 66	38,004	5,27	
1774	Jan. 0	22 45 6,762	—30 48 51,12		1784	Jan. 1	22 45 41,324	—30 45 46,69	
	Apr. 10	6,661	51,74			Apr. 10	41,409	46,07	
	Jul. 19	6,566	52,38			Jul. 19	41,487	45,44	
	Oct. 27	6,476	53,03			Oct. 27	41,558	44,82	
	Dec. 66	6,391	53,69			Dec. 66	41,623	44,20	
1775	Jan. 0	22 45 9,770	—30 48 34,70		1785	Jan. 0	22 45 44,951	—30 45 25,62	
	Apr. 10	9,690	35,35			Apr. 10	45,011	25,01	
	Jul. 19	9,618	36,00			Jul. 19	45,062	24,42	
	Oct. 27	9,554	36,63			Oct. 27	45,105	23,84	
	Dec. 66	9,499	37,25			Dec. 66	45,140	23,29	
1776	Jan. 1	22 45 12,867	—30 48 18,28		1786	Jan. 0	22 45 48,478	—30 45 4,69	
	Apr. 10	12,817	18,88			Apr. 10	48,507	4,16	
	Jul. 19	12,777	19,46			Jul. 19	48,526	3,66	
	Oct. 27	12,747	20,00			Oct. 27	48,535	3,20	
	Dec. 66	12,727	20,52			Dec. 66	48,535	2,78	
1777	Jan. 0	22 45 16,083	—30 48 1,58		1787	Jan. 0	22 45 51,885	—30 44 44,13	
	Apr. 10	16,069	2,07			Apr. 10	51,878	43,74	
	Jul. 19	16,065	2,51			Jul. 19	51,862	43,40	
	Oct. 27	16,072	2,90			Oct. 27	51,836	43,11	
	Dec. 66	16,088	3,25			Dec. 66	51,801	42,87	
1778	Jan. 0	22 45 19,432	—30 47 44,37		1788	Jan. 1	22 45 55,162	—30 44 24,15	
	Apr. 10	19,454	44,68			Apr. 10	55,120	23,95	
	Jul. 19	19,486	44,94			Jul. 19	55,070	23,81	
	Oct. 27	19,527	45,14			Oct. 27	55,011	23,72	
	Dec. 66	19,578	45,29			Dec. 66	54,943	23,70	
1779	Jan. 0	22 45 22,910	—30 47 26,47		1789	Jan. 0	22 45 58,314	—30 44 4,91	
	Apr. 10	22,966	26,58			Apr. 10	58,241	4,92	
	Jul. 19	23,030	26,63			Jul. 19	58,162	5,00	
	Oct. 27	23,101	26,63			Oct. 27	58,076	5,13	
	Dec. 66	23,179	26,56			Dec. 66	57,983	5,33	

Tabulae X. Sect. II. *a Piscis australis.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″		″					h ′ ″	° ′ ″
Jan. 0	−0,724	− 9,9	−10,00	+ 2,9	+4	0	1770	22 44 53,7731	−30 50 8,639
10	−0,812	− 7,6	− 9,57	+ 5,7	+4	0	1771	44 57,1251	49 49,877
20	−0,875	− 5,0	− 8,87	+ 8,3	+3	−1	1772	45 0,4769	49 31,113
30	−0,911	− 2,1	− 7,91	+10,8	+3	−1	1773	45 3,8285	49 12,347
Febr. 9	−0,917	+ 1,0	− 6,71	+13,2	+2	−2	1774	45 7,1799	48 53,580
							1775	45 10,5310	48 34,811
19	−0,892	+ 4,2	− 5,28	+15,3	+1	−2	1776	45 13,8819	48 16,041
Mart. 1	−0,833	+ 7,7	− 3,65	+17,3	+1	−2	1777	45 17,2326	47 57,270
11	−0,738	+11,3	− 1,83	+19,0	0	−2	1778	45 20,5831	47 38,497
21	−0,607	+15,0	+ 0,14	+20,4	−1	−3	1779	45 25,9334	47 19,722
31	−0,438	+18,8	+ 2,24	+21,5	−2	−3	1780	45 27,2835	47 0,946
							1781	45 30,6334	46 42,168
Apr. 10	−0,231	+22,5	+ 4,44	+22,2	−2	−3	1782	45 33,9830	46 23,389
20	+0,012	+26,0	+ 6,68	+22,5	−3	−2	1783	45 37,3324	46 4,608
30	+0,288	+29,1	+ 8,93	+22,3	−3	−2	1784	45 40,6816	45 45,826
Maj. 10	+0,593	+31,7	+11,13	+21,6	−4	−2	1785	45 44,0306	45 27,043
20	+0,922	+33,7	+13,25	+20,5	−4	−2	1786	45 47,3794	45 8,258
							1787	45 50,7280	44 49,472
30	+1,267	+34,9	+15,22	+18,7	−4	−1	1788	45 54,0763	44 30,684
Jun. 9	+1,620	+35,4	+16,99	+16,5	−5	−1	1789	45 57,4244	44 11,894
19	+1,974	+34,9	+18,52	+13,9	−5	0	1790	46 0,7723	43 53,103
29	+2,317	+33,5	+19,77	+11,0	−5	0			
Jul. 9	+2,643	+31,2	+20,71	+ 7,7	−5	+1			
19	+2,941	+28,1	+21,31	+ 4,3	−4	+1			
29	+3,205	+24,3	+21,56	+ 0,8	−4	+2			
Aug. 8	+3,427	+19,9	+21,47	− 2,6	−4	+3			
18	+3,602	+15,1	+21,05	− 5,7	−3	+3			
28	+3,729	+10,2	+20,33	− 8,5	−3	+3			
Sept. 7	+3,805	+ 5,2	+19,36	−10,8	−2	+4			
17	+3,832	+ 0,4	+18,18	−12,5	−2	+4			
27	+3,813	− 4,0	+16,86	−13,6	−1	+4			
Oct. 7	+3,753	− 7,7	+15,46	−14,0	0	+4			
17	+3,660	−10,7	+14,06	−13,8	0	+4			
27	+3,539	−13,0	+12,71	−12,9	+1	+4			
Nov. 6	+3,400	−14,5	+11,48	−11,4	+1	+4			
16	+3,250	−15,1	+10,43	− 9,5	+2	+4			
26	+3,098	−15,0	+ 9,59	− 7,2	+2	+3			
Dec. 6	+2,950	−14,3	+ 9,00	− 4,5	+2	+3			
16	+2,813	−12,9	+ 8,69	− 1,7	+2	+2			
26	+2,692	−11,2	+ 8,66	+ 1,1	+2	+2			
36	+2,590	− 9,1	+ 8,91	+ 3,9	+2	+1			

Diei reducto addendum est:

ante / post } Febr. 27 { 0 / + 1

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. α *Pegasi.*

1770	Jan. 0	22 53 20,088	+13 58 24,47	1780	Jan. 1	22 53 47,950	+ 14 1 22,87
	Apr. 10	20,072	24,51		Apr. 10	47,989	23,00
	Jul. 19	20,048	24,50		Jul. 19	48,035	23,18
	Oct. 27	20,015	24,42		Oct. 27	48,089	23,41
	Dec. 66	19,974	24,29		Dec. 66	48,149	23,70
1771	Jan. 0	22 53 22,967	+13 58 43,54	1781	Jan. 0	22 53 51,107	+ 14 1 42,82
	Apr. 10	22,921	43,36		Apr. 10	51,171	43,14
	Jul. 19	22,868	43,13		Jul. 19	51,240	43,50
	Oct. 27	22,808	42,84		Oct. 27	51,314	43,91
	Dec. 66	22,740	42,50		Dec. 66	51,392	44,36
1772	Jan. 1	22 53 25,741	+13 59 1,83	1782	Jan. 0	22 53 54,344	+ 14 2 3,42
	Apr. 10	25,669	1,45		Apr. 10	54,425	3,90
	Jul. 19	25,593	1,03		Jul. 19	54,509	4,41
	Oct. 27	25,512	0,56		Oct. 27	54,596	4,94
	Dec. 66	25,426	0,05		Dec. 66	54,685	5,51
1773	Jan. 0	22 53 28,433	+13 59 19,43	1783	Jan. 0	22 53 57,634	+ 14 2 24,53
	Apr. 10	28,344	18,89		Apr. 10	57,723	25,11
	Jul. 19	28,254	18,33		Jul. 19	57,813	25,71
	Oct. 27	28,161	17,74		Oct. 27	57,903	26,32
	Dec. 66	28,066	17,12		Dec. 66	57,993	26,94
1774	Jan. 0	22 53 31,076	+13 59 36,53	1784	Jan. 1	22 54 0,942	+ 14 2 45,94
	Apr. 10	30,981	35,90		Apr. 10	1,031	46,57
	Jul. 19	30,887	35,26		Jul. 19	1,118	47,19
	Oct. 27	30,794	34,61		Oct. 27	1,202	47,80
	Dec. 66	30,702	33,95		Dec. 66	1,283	48,41
1775	Jan. 0	22 53 33,711	+13 59 53,39	1785	Jan. 0	22 54 4,235	+ 14 3 7,43
	Apr. 10	33,621	52,74		Apr. 10	4,314	8,03
	Jul. 19	33,535	52,10		Jul. 19	4,388	8,61
	Oct. 27	33,453	51,48		Oct. 27	4,457	9,16
	Dec. 66	33,375	50,87		Dec. 66	4,522	9,69
1776	Jan. 1	22 53 36,379	+14 0 10,28	1786	Jan. 0	22 54 7,480	+ 14 3 28,74
	Apr. 10	36,305	9,69		Apr. 10	7,540	29,25
	Jul. 19	36,237	9,13		Jul. 19	7,593	29,72
	Oct. 27	36,175	8,61		Oct. 27	7,639	30,16
	Dec. 66	36,120	8,12		Dec. 66	7,678	30,55
1777	Jan. 0	22 53 39,116	+14 0 27,49	1787	Jan. 0	22 54 10,645	+ 14 3 49,65
	Apr. 10	39,066	27,03		Apr. 10	10,679	50,02
	Jul. 19	39,024	26,61		Jul. 19	10,705	50,33
	Oct. 27	38,990	26,24		Oct. 27	10,723	50,59
	Dec. 66	38,963	25,92		Dec. 66	10,732	50,80
1778	Jan. 0	22 53 41,950	+14 0 45,23	1788	Jan. 1	22 54 13,709	+ 14 4 9,95
	Apr. 10	41,929	44,94		Apr. 10	13,713	10,13
	Jul. 19	41,917	44,71		Jul. 19	13,708	10,24
	Oct. 27	41,913	44,54		Oct. 27	13,694	10,29
	Dec. 66	41,918	44,42		Dec. 66	13,672	10,29
1779	Jan. 0	22 53 44,894	+14 1 3,67	1789	Jan. 0	22 54 16,660	+ 14 4 29,52
	Apr. 10	44,904	3,59		Apr. 10	16,632	29,48
	Jul. 19	44,923	3,56		Jul. 19	16,596	29,38
	Oct. 27	44,949	3,60		Oct. 27	16,552	29,21
	Dec. 66	44,983	3,69		Dec. 66	16,501	28,99

Tabulae X. Sect. II. *α Pegasi.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	s	s	s	s	s	s		h m s	° ′ ″
Jan. 0	−0,569	− 9,4	+ 3,36	−10,6	+3	+2	1770	22 53 19,0881	+13 58 17,576
10	−0,656	− 8,3	+ 2,23	−11,8	+2	+2	1771	53 22,0664	58 36,777
20	−0,725	− 5,9	+ 1,01	−12,4	+2	+2	1772	53 25,0447	58 55,979
30	−0,773	− 3,6	− 0,25	−12,6	+2	+2	1773	53 28,0231	59 15,184
Febr. 9	−0,796	− 0,9	− 1,50	−12,2	+1	+2	1774	53 31,0016	59 34,387
							1775	53 33,9801	59 53,593
19	−0,791	+ 2,1	− 2,68	−11,1	+1	+2	1776	53 36,9587	14 0 12,800
Mart. 1	−0,755	+ 5,4	− 3,71	− 9,4	0	+2	1777	53 39,9373	0 32,008
11	−0,684	+ 8,9	− 4,55	− 7,1	−1	+1	1778	53 42,9160	0 51,217
21	−0,578	+12,5	− 5,13	− 4,4	−1	+1	1779	53 45,8946	1 10,427
31	−0,434	+16,3	− 5,42	− 1,3	−1	+1	1780	53 48,8734	1 29,638
							1781	53 51,8522	1 48,851
Apr. 10	−0,253	+19,9	− 5,38	+ 2,2	−2	0	1782	53 54,8311	2 8,065
30	−0,037	+23,2	− 4,98	+ 5,7	−2	0	1783	53 57,8100	2 27,280
30	+0,211	+26,2	− 4,24	+ 9,2	−2	0	1784	54 0,7891	2 46,496
Maj. 10	+0,487	+28,7	− 3,15	+12,5	−3	−1	1785	54 3,7681	3 5,713
20	+0,785	+30,5	− 1,74	+15,5	−3	−1	1786	54 6,7472	3 24,931
							1787	54 9,7263	3 44,151
30	+1,097	+31,6	− 0,05	+18,1	−3	−1	1788	54 12,7055	4 3,372
Jun. 9	+1,416	+31,8	+ 1,87	+20,2	−3	−1	1789	54 15,6848	4 22,594
19	+1,733	+31,2	+ 3,98	+21,7	−2	−2	1790	54 18,6641	4 41,817
29	+2,040	+29,8	+ 6,21	+22,6	−2	−2			
Jul. 9	+2,329	+27,6	+ 8,50	+23,0	−2	−2			
19	+2,592	+24,8	+10,80	+22,8	−2	−1			
29	+2,824	+21,3	+13,06	+22,1	−1	−1			
Aug. 8	+3,018	+17,4	+15,22	+20,9	−1	−1			
18	+3,172	+13,3	+17,24	+19,3	0	−1			
28	+3,284	+ 9,1	+19,08	+17,5	0	−1			
Sept. 7	+3,354	+ 5,0	+20,78	+15,4	+1	0			
17	+3,383	+ 1,0	+22,15	+13,0	+1	0			
27	+3,374	− 2,6	+23,33	+10,6	+2	0			
Oct. 7	+3,332	− 5,6	+24,27	+ 8,2	+2	+1			
17	+3,262	− 8,1	+24,96	+ 5,7	+3	+1			
27	+3,170	−10,0	+25,41	+ 3,3	+3	+2			
Nov. 6	+3,062	−11,4	+25,61	+ 0,8	+3	+2			
16	+2,943	−12,1	+25,57	− 1,6	+3	+2			
26	+2,820	−12,3	+25,29	− 3,9	+4	+3			
Dec. 6	+2,698	−12,0	+24,80	− 6,0	+4	+3			
16	+2,580	−11,4	+24,10	− 8,0	+4	+3			
26	+2,471	−10,3	+23,21	− 9,7	+3	+3			
36	+2,375	− 8,9	+22,16	−11,1	+3	+3			

Diei reducto addendum est:

ante / post } Mart. 2 { 0 / + 1

In mens. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *a Andromedae.*

1770	Jan. 0	23 56 33,582	+27 49 17,72	1780	Jan. 1	23 57 2,160	+27 52 24,53
	Apr. 10	33,580	17,54		Apr. 10	2,188	24,86
	Jul. 19	33,570	17,30		Jul. 19	2,224	25,23
	Oct. 27	33,550	17,02		Oct. 27	2,268	25,64
	Dec. 66	33,521	16,68		Dec. 66	2,319	26,10
1771	Jan. 0	23 56 36,600	+27 49 36,71	1781	Jan. 0	23 57 5,371	+27 52 45,85
	Apr. 10	36,565	36,34		Apr. 10	5,427	46,33
	Jul. 19	36,522	35,92		Jul. 19	5,490	46,83
	Oct. 27	36,470	35,46		Oct. 27	5,559	47,36
	Dec. 66	36,410	34,96		Dec. 66	5,634	47,92
1772	Jan. 1	23 56 39,499	+27 49 55,04	1782	Jan. 0	23 57 8,679	+27 53 7,64
	Apr. 10	39,434	54,52		Apr. 10	8,757	8,21
	Jul. 19	39,363	53,97		Jul. 19	8,840	8,79
	Oct. 27	39,285	53,39		Oct. 27	8,927	9,38
	Dec. 66	39,201	52,79		Dec. 66	9,018	9,98
1773	Jan. 0	23 56 42,298	+27 50 12,90	1783	Jan. 0	23 57 12,057	+27 53 29,69
	Apr. 10	42,210	12,29		Apr. 10	12,150	30,29
	Jul. 19	42,119	11,67		Jul. 19	12,244	30,89
	Oct. 27	42,024	11,04		Oct. 27	12,339	31,48
	Dec. 66	41,926	10,41		Dec. 66	12,436	32,06
1774	Jan. 0	23 56 45,028	+27 50 30,53	1784	Jan. 1	23 57 15,474	+27 53 51,78
	Apr. 10	44,928	29,90		Apr. 10	15,570	52,35
	Jul. 19	44,828	29,28		Jul. 19	15,665	52,90
	Oct. 27	44,728	28,68		Oct. 27	15,759	53,43
	Dec. 66	44,627	28,09		Dec. 66	15,853	53,93
1775	Jan. 0	23 56 47,730	+27 50 48,19	1785	Jan. 0	23 57 18,893	+27 54 13,67
	Apr. 10	47,630	47,62		Apr. 10	18,984	14,15
	Jul. 19	47,533	47,08		Jul. 19	19,070	14,60
	Oct. 27	47,439	46,58		Oct. 27	19,153	15,00
	Dec. 66	47,348	46,11		Dec. 66	19,231	15,37
1776	Jan. 1	23 56 50,447	+27 51 6,17	1786	Jan. 0	23 57 22,276	+27 54 35,16
	Apr. 10	50,359	5,73		Apr. 10	22,351	35,49
	Jul. 19	50,277	5,33		Jul. 19	22,419	35,78
	Oct. 27	50,200	4,98		Oct. 27	22,481	36,02
	Dec. 66	50,130	4,68		Dec. 66	22,536	36,21
1777	Jan. 0	23 56 53,222	+27 51 24,68	1787	Jan. 0	23 57 25,590	+27 54 56,06
	Apr. 10	53,156	24,41		Apr. 10	25,640	56,21
	Jul. 19	53,098	24,20		Jul. 19	25,682	56,31
	Oct. 27	53,048	24,05		Oct. 27	25,716	56,35
	Dec. 66	53,005	23,95		Dec. 66	25,741	56,33
1778	Jan. 0	23 56 56,087	+27 51 43,88	1788	Jan. 1	23 57 28,804	+27 55 16,25
	Apr. 10	56,050	43,82		Apr. 10	28,824	16,19
	Jul. 19	56,022	43,81		Jul. 19	28,834	16,08
	Oct. 27	56,002	43,86		Oct. 27	28,835	15,91
	Dec. 66	55,991	43,97		Dec. 66	28,827	15,69
1779	Jan. 0	23 56 59,064	+27 52 3,84	1789	Jan. 0	23 57 31,902	+27 55 35,68
	Apr. 10	59,060	3,98		Apr. 10	31,887	35,42
	Jul. 19	59,064	4,18		Jul. 19	31,864	35,11
	Oct. 27	59,077	4,43		Oct. 27	31,832	34,75
	Dec. 66	59,099	4,73		Dec. 66	31,791	34,34

Tabulae X. Sect. II. α *Andromedae.*

	1780		1780		Var. 10 annor.			A. R. med.	Decl. med.
	″	″	″	″				h ′ ″	° ′ ″
Jan. 0	−0,219	−13,5	+ 8,28	− 8,4	+3	+2	1770	23 56 32,5070	+27 49 11,228
10	−0,353	−13,0	+ 7,26	−11,0	+3	+2	1771	56 35,5751	49 31,136
20	−0,479	−12,0	+ 6,04	−13,2	+3	+3	1772	56 38,6434	49 51,044
30	−0,592	−10,3	+ 4,63	−14,8	+2	+3	1773	56 41,7119	50 10,952
Febr. 9	−0,685	− 8,1	+ 3,08	−15,9	+2	+3	1774	56 44,7805	50 30,860
							1775	56 47,8493	50 50,768
19	−0,754	− 5,3	+ 1,46	−16,1	+1	+3	1776	56 50,9183	51 10,676
Mart. 1	−0,791	− 1,9	− 0,14	−15,6	+1	+3	1777	56 53,9875	51 30,584
11	−0,792	+ 2,0	− 1,66	−14,5	0	+3	1778	56 57,0568	51 50,492
21	−0,751	+ 6,3	− 3,03	−12,5	0	+2	1779	57 0,1262	52 10,400
31	−0,666	+10,8	− 4,16	− 9,8	−1	+2	1780	57 3,1959	52 30,308
							1781	57 6,2658	52 50,216
Apr. 10	−0,535	+15,4	− 4,99	− 6,7	−1	+2	1782	57 9,3358	53 10,124
20	−0,359	+19,8	− 5,49	− 3,2	−2	+1	1783	57 12,4060	53 30,031
30	−0,139	+23,9	− 5,62	+ 0,7	−2	+1	1784	57 15,4764	53 49,939
Maj. 10	+0,119	+27,5	− 5,35	+ 4,7	−2	0	1785	57 18,5470	54 9,847
20	+0,410	+30,4	− 4,69	+ 8,5	−3	0	1786	57 21,6178	54 29,755
							1787	57 24,6887	54 49,662
30	+0,727	+32,6	− 3,65	+12,2	−3	−1	1788	57 27,7598	55 9,570
Jun. 9	+1,061	+33,9	− 2,25	+15,6	−3	−1	1789	57 30,8310	55 29,478
19	+1,404	+34,3	− 0,53	+18,5	−2	−2	1790	57 33,9025	55 49,385
29	+1,746	+33,7	+ 1,45	+20,9	−2	−2			
Jul. 9	+2,078	+32,3	+ 3,65	+22,9	−2	−2			
19	+2,392	+30,2	+ 6,02	+24,2	−2	−3			
29	+2,681	+27,3	+ 8,48	+24,9	−1	−3			
Aug. 8	+2,937	+23,8	+10,99	+25,1	−1	−3			
18	+3,157	+22,0	+13,49	+24,7	0	−3			
28	+3,337	+16,0	+15,93	+23,9	0	−3			
Sept. 7	+3,476	+11,9	+18,26	+22,6	+1	−3			
17	+3,574	+ 7,8	+20,45	+21,0	+2	−2			
27	+3,631	+ 3,9	+22,45	+19,0	+2	−2			
Oct. 7	+3,651	+ 0,4	+24,24	+16,7	+3	−2			
17	+3,638	− 2,9	+25,79	+14,2	+3	−1			
27	+3,593	− 5,8	+27,08	+11,6	+4	−1			
Nov. 6	+3,523	− 8,1	+28,10	+ 8,7	+4	0			
16	+3,432	−10,0	+28,81	+ 5,7	+5	0			
26	+3,323	−11,5	+29,23	+ 2,7	+5	+1			
Dec. 6	+3,202	−12,6	+29,34	− 0,5	+5	+1			
16	+3,071	−13,4	+29,13	− 3,7	+5	+1			
26	+2,935	−13,6	+28,61	− 6,7	+5	+2			
36	+2,800	−13,4	+27,80	− 9,4	+5	+2			

Diei reducto addendum est:

ante / post } Mart. 19 { 0 / + 1

In menss. Jan. et Febr. annorum bissextorum legitur dies insequens.

Tabulae X. Sect. II. *α Ursae minoris.*

		α		δ		$\odot + \Omega$	$\mathfrak{D}$
1770	Jan. 0	0 46 32,82		88 4 42,17		480	861
	Apr. 10	34,27	+ 1,45	41,82	− 0,35		
	Jul. 19	35,63	+ 1,36	41,48	− 0,39		
	Oct. 27	36,90	+ 1,27	40,99	− 0,44		
	Dec. 66	38,07	+ 1,17	40,51	− 0,48		
1771	Jan. 0	0 46 48,87		88 5 0,38		426	229
	Apr. 10	49,97	+ 1,10	4 59,81	− 0,52		
	Jul. 19	50,94	+ 0,97	59,27	− 0,54		
	Oct. 27	51,78	+ 0,84	58,70	− 0,57		
	Dec. 66	52,49	+ 0,71	58,11	− 0,59		
1772	Jan. 1	0 47 3,51		88 5 17,97		373	597
	Apr. 10	4,12	+ 0,61	17,35	− 0,62		
	Jul. 19	4,57	+ 0,45	16,73	− 0,62		
	Oct. 27	4,88	+ 0,31	16,59	− 0,64		
	Dec. 66	5,03	+ 0,15	16,45	− 0,64		
1773	Jan. 0	0 47 16,29		88 5 35,32		319	966
	Apr. 10	16,34	+ 0,05	34,67	− 0,65		
	Jul. 19	16,22	− 0,12	34,04	− 0,63		
	Oct. 27	15,95	− 0,27	33,41	− 0,63		
	Dec. 66	15,52	− 0,42	32,80	− 0,61		
1774	Jan. 0	0 47 27,03		88 5 52,65		265	334
	Apr. 10	26,49	− 0,54	52,05	− 0,60		
	Jul. 19	25,81	− 0,68	51,49	− 0,56		
	Oct. 27	24,99	− 0,82	50,95	− 0,54		
	Dec. 66	24,03	− 0,96	50,44	− 0,51		
1775	Jan. 0	0 47 35,78		88 6 10,25		211	702
	Apr. 10	34,72	− 1,06	9,77	− 0,48		
	Jul. 19	33,56	− 1,16	9,34	− 0,43		
	Oct. 27	32,29	− 1,27	8,96	− 0,38		
	Dec. 66	30,91	− 1,38	8,62	− 0,34		
1776	Jan. 1	0 47 42,85		88 6 28,37		158	070
	Apr. 10	41,41	− 1,44	28,06	− 0,31		
	Jul. 19	39,91	− 1,50	27,82	− 0,24		
	Oct. 27	38,34	− 1,57	27,63	− 0,19		
	Dec. 66	36,71	− 1,63	27,50	− 0,13		
1777	Jan. 0	0 47 48,79		88 6 47,17		104	439
	Apr. 10	47,13	− 1,66	47,07	− 0,10		
	Jul. 19	45,46	− 1,67	47,04	− 0,03		
	Oct. 27	43,78	− 1,68	47,06	+ 0,02		
	Dec. 66	42,09	− 1,69	47,15	+ 0,09		
1778	Jan. 0	0 47 54,24		88 7 6,75		050	807
	Apr. 10	52,56	− 1,68	6,87	+ 0,12		
	Jul. 19	50,92	− 1,64	7,04	+ 0,17		
	Oct. 27	49,32	− 1,60	7,27	+ 0,23		
	Dec. 66	47,76	− 1,56	7,56	+ 0,29		
1779	Jan. 0	0 47 59,91		88 7 27,08		997	175
	Apr. 10	58,42	− 1,49	27,40	+ 0,32		
	Jul. 19	56,99	− 1,43	27,77	+ 0,37		
	Oct. 27	55,64	− 1,35	28,18	+ 0,41		
	Dec. 66	54,37	− 1,27	28,62	+ 0,44		

Tabulae X. Sect. II. *α Ursae minoris.*

		α		δ		$\odot + \Omega$	$\mathfrak{D}$
1780	Jan. 1	h ′ ″ 0 48 6,48	″ — 1,19	° ′ ″ 88 7 48,09	″ + 0,48	943	544
	Apr. 10	5,29	— 1,06	48,57	+ 0,51		
	Jul. 19	4,23	— 0,94	49,08	+ 0,53		
	Oct. 27	3,29	— 0,82	49,61	+ 0,56		
	Dec. 66	2,47		50,17			
1781	Jan. 0	0 48 14,48	— 0,72	88 8 9,60	+ 0,58	889	912
	Apr. 10	13,76	— 0,59	10,18	+ 0,59		
	Jul. 19	13,17	— 0,44	10,77	+ 0,60		
	Oct. 27	12,73	— 0,30	11,37	+ 0,61		
	Dec. 66	12,43		11,98			
1782	Jan. 0	0 48 24,33	— 0,20	88 8 31,39	+ 0,62	835	280
	Apr. 10	24,13	— 0,04	32,01	+ 0,61		
	Jul. 19	24,09	+ 0,10	32,62	+ 0,60		
	Oct. 27	24,19	+ 0,26	33,22	+ 0,61		
	Dec. 66	24,45		33,83			
1783	Jan. 0	0 48 36,22	+ 0,36	88 8 53,24	+ 0,59	782	648
	Apr. 10	36,58	+ 0,50	53,83	+ 0,56		
	Jul. 19	37,08	+ 0,64	54,39	+ 0,55		
	Oct. 27	37,72	+ 0,78	54,94	+ 0,52		
	Dec. 66	38,50		55,46			
1784	Jan. 1	0 48 50,17	+ 0,87	88 9 14,90	+ 0,50	728	017
	Apr. 10	51,04	+ 1,00	15,40	+ 0,46		
	Jul. 19	52,04	+ 1,12	15,86	+ 0,43		
	Oct. 27	53,16	+ 1,24	16,29	+ 0,39		
	Dec. 66	54,40		16,68			
1785	Jan. 0	0 49 5,97	+ 1,31	88 9 36,16	+ 0,35	674	385
	Apr. 10	7,28	+ 1,39	36,51	+ 0,31		
	Jul. 19	8,67	+ 1,48	36,82	+ 0,26		
	Oct. 27	10,15	+ 1,57	37,08	+ 0,21		
	Dec. 66	11,72		37,29			
1786	Jan. 0	0 49 23,25	+ 1,60	88 9 56,83	+ 0,17	620	753
	Apr. 10	24,85	+ 1,65	57,00	+ 0,12		
	Jul. 19	26,50	+ 1,68	57,12	+ 0,06		
	Oct. 27	28,18	+ 1,72	57,18	+ 0,01		
	Dec. 66	29,90		57,19			
1787	Jan. 0	0 49 41,45	+ 1,73	88 10 16,79	— 0,04	567	121
	Apr. 10	43,18	+ 1,72	16,75	— 0,09		
	Jul. 19	44,90	+ 1,70	16,66	— 0,14		
	Oct. 27	46,60	+ 1,69	16,52	— 0,21		
	Dec. 66	48,29		16,31			
1788	Jan. 1	0 49 59,91	+ 1,67	88 10 35,98	— 0,25	513	490
	Apr. 10	50 1,58	+ 1,59	35,73	— 0,29		
	Jul. 19	3,17	+ 1,52	35,44	— 0,34		
	Oct. 27	4,69	+ 1,45	35,10	— 0,39		
	Dec. 66	6,14		34,71			
1789	Jan. 0	0 50 17,98	+ 1,40	88 10 54,43	— 0,43	459	858
	Apr. 10	19,33	+ 1,28	54,00	— 0,46		
	Jul. 19	20,61	+ 1,17	53,54	— 0,51		
	Oct. 27	21,78	+ 1,05	53,03	— 0,54		
	Dec. 66	22,83		52,49			

Tabulae X. Sect. II. *α Ursae minoris.*

	Corr. A. R. pro 1780		Variatio annua		Corr. Decl. pro 1780		Variatio annua		Mot. Arg. ☉+Ω	Mot. Arg. ☽
	″	″	″		″	″	″			
Jan. 0	+ 3,73	−6,56	+0,0464	−187	+20,15	+0,47	−0,0013	+29	000	000
10	− 2,83	−6,55	+0,0277	−197	+20,62	−0,19	+0,0016	+29	026	365
20	− 9,38	−6,31	+0,0080	−203	+20,43	−0,82	+0,0045	+28	052	730
30	−15,69	−5,81	−0,0123	−197	+19,61	−1,43	+0,0073	+25	078	095
Febr. 9	−21,50	−5,10	−0,0320	−186	+18,18	−1,96	+0,0098	+22	103	460
19	−26,60	−4,18	−0,0506	−165	+16,22	−2,42	+0,0120	+18	129	825
Mart. 1	−30,78	−3,10	−0,0671	−141	+13,80	−2,76	+0,0138	+13	155	190
11	−33,88	−1,91	−0,0812	−110	+11,04	−2,98	+0,0151	+ 8	181	555
21	−35,79	−0,66	−0,0922	− 74	+ 8,06	−3,09	+0,0159	+ 5	207	920
31	−36,45	+0,60	−0,0996	− 37	+ 4,97	−3,07	+0,0162	− 3	233	285
Apr. 10	−35,85	+1,82	−0,1033	0	+ 1,90	−2,93	+0,0159	− 8	258	650
20	−34,03	+2,95	−0,1033	+ 39	− 1,03	−2,68	+0,0151	−13	284	015
30	−31,08	+3,98	−0,0994	+ 72	− 3,71	−2,34	+0,0138	−18	310	380
Maj. 10	−27,10	+4,85	−0,0921	+106	− 6,05	−1,91	+0,0120	−21	336	745
20	−22,25	+5,55	−0,0815	+135	− 7,96	−1,43	+0,0099	−25	362	110
30	−16,70	+6,08	−0,0680	+158	− 9,39	−0,91	+0,0076	−26	388	475
Jun. 9	−10,62	+6,42	−0,0522	+176	−10,30	−0,36	+0,0050	−27	413	840
19	− 4,20	+6,59	−0,0346	+193	−10,66	+0,20	+0,0023	−28	439	205
29	+ 2,39	+6,58	−0,0153	+201	−10,46	+0,74	−0,0005	−27	465	570
Jul. 9	+ 8,97	+6,41	+0,0048	+205	− 9,72	+1,28	−0,0032	−28	491	935
19	+15,38	+6,09	+0,0253	+205	− 8,44	+1,78	−0,0060	−26	517	300
29	+21,47	+5,65	+0,0458	+200	− 6,66	+2,24	−0,0086	−23	543	665
Aug. 8	+27,12	+5,08	+0,0658	+191	− 4,42	+2,66	−0,0109	−22	568	030
18	+32,20	+4,42	+0,0849	+179	− 1,76	+3,01	−0,0131	−19	594	395
28	+36,62	+3,66	+0,1028	+163	+ 1,25	+3,30	−0,0150	−16	620	760
Sept. 7	+40,28	+2,82	+0,1191	+143	+ 4,55	+3,55	−0,0166	−12	646	125
17	+43,10	+1,93	+0,1334	+120	+ 8,10	+3,70	−0,0178	− 8	672	490
27	+45,03	+0,97	+0,1454	+ 96	+11,80	+3,80	−0,0186	− 4	698	855
Oct. 7	+46,00	−0,01	+0,1548	+ 65	+15,60	+3,80	−0,0190	+ 1	723	220
17	+45,99	−1,02	+0,1613	+ 36	+19,40	+3,73	−0,0189	+ 5	749	585
27	+44,97	−2,03	+0,1649	+ 3	+23,13	+3,58	−0,0184	+ 9	775	950
Nov. 6	+42,94	−3,02	+0,1652	− 32	+26,71	+3,32	−0,0175	+14	801	315
16	+39,92	−3,95	+0,1620	− 65	+30,03	+2,99	−0,0161	+18	827	680
26	+35,97	−4,80	+0,1555	− 97	+33,02	+2,57	−0,0143	+22	853	045
Dec. 6	+31,17	−5,52	+0,1458	−128	+35,59	+2,06	−0,0121	+25	879	410
16	+25,65	−6,09	+0,1330	−155	+37,65	+1,49	−0,0096	+28	904	775
26	+19,56	−6,45	+0,1175	−176	+39,14	+0,88	−0,0068	+28	930	140
36	+13,11		+0,0999		+40,02		−0,0040		956	505

In mensibus Jan. et Febr. annorum bissextorum legitur dies insequens.

Diei reducto addendum est:

pro Culminatione superiori { ante / post } Apr. 2 { + 1 / + 2 }

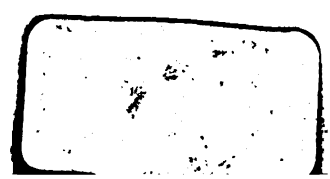
pro Culminatione inferiori { ante / post } Oct. 6 { + 1,5 / + 2,5 }

Tabulae X. Sect. II. *α Ursae minoris.*

Motus Arg.		
Dies	☉+☊	☽
1	003	037
2	005	073
3	008	110
4	010	146
5	013	183
6	016	219
7	018	256
8	021	292
9	023	329
10	026	365

Arg. ☉+☊		
Arg.	A. R.	Arg.
000	—0,02 +	500
010	—0,02 +	510
020	—0,01 +	520
030	—0,01 +	530
040	—0,01 +	540
050	—0,01 +	550
060	0,00	560
070	0,00	570
080	0,00	580
090	+0,01 —	590
100	+0,01 —	600
110	+0,01 —	610
120	+0,02 —	620
130	+0,02 —	630
140	+0,02 —	640
150	+0,02 —	650
160	+0,03 —	660
170	+0,03 —	670
180	+0,03 —	680
190	+0,03 —	690
200	+0,03 —	700
210	+0,04 —	710
220	+0,04 —	720
230	+0,04 —	730
240	+0,04 —	740
250	+0,04 —	750
260	+0,04 —	760
270	+0,04 —	770
280	+0,05 —	780
290	+0,05 —	790
300	+0,05 —	800
310	+0,05 —	810
320	+0,05 —	820
330	+0,05 —	830
340	+0,05 —	840
350	+0,04 —	850
360	+0,04 —	860
370	+0,04 —	870
380	+0,04 —	880
390	+0,04 —	890
400	+0,04 —	900
410	+0,04 —	910
420	+0,04 —	920
430	+0,03 —	930
440	+0,03 —	940
450	+0,03 —	950
460	+0,03 —	960
470	+0,03 —	970
480	+0,02 —	980
490	+0,02 —	990

Arg. ☽			
Arg.	Arg.	A. R.	Decl.
000	500	—0,17	+0,02
010	510	—0,18	+0,01
020	520	—0,18	0,00
030	530	—0,18	—0,01
040	540	—0,17	—0,02
050	550	—0,17	—0,03
060	560	—0,16	—0,04
070	570	—0,15	—0,05
080	580	—0,13	—0,06
090	590	—0,12	—0,06
100	600	—0,10	—0,07
110	610	—0,08	—0,07
120	620	—0,06	—0,08
130	630	—0,04	—0,08
140	640	—0,01	—0,08
150	650	+0,01	—0,08
160	660	+0,03	—0,08
170	670	+0,05	—0,08
180	680	+0,07	—0,07
190	690	+0,09	—0,07
200	700	+0,11	—0,06
210	710	+0,13	—0,05
220	720	+0,14	—0,05
230	730	+0,15	—0,04
240	740	+0,16	—0,03
250	750	+0,17	—0,02
260	760	+0,18	—0,01
270	770	+0,18	0,00
280	780	+0,18	+0,01
290	790	+0,17	+0,02
300	800	+0,17	+0,03
310	810	+0,16	+0,04
320	820	+0,15	+0,05
330	830	+0,13	+0,06
340	840	+0,12	+0,06
350	850	+0,10	+0,07
360	860	+0,08	+0,07
370	870	+0,06	+0,08
380	880	+0,04	+0,08
390	890	+0,01	+0,08
400	900	—0,01	+0,08
410	910	—0,03	+0,08
420	920	—0,05	+0,08
430	930	—0,07	+0,07
440	940	—0,09	+0,07
450	950	—0,11	+0,06
460	960	—0,13	+0,05
470	970	—0,14	+0,05
480	980	—0,15	+0,04
490	990	—0,16	+0,03

Tabulae X. Sect. II. *a Ursae minoris.*

	A. R. med.		Decl. med.	
	h ′ ″	+	° ′ ″	+
1770	0 46 24,441	11,185	88 4 36,346	19,655
1771	46 35,626	11,239	4 56,001	19,652
1772	46 46,865	11,295	5 15,653	19,649
1773	46 58,160	11,351	5 35,302	19,645
1774	47 9,511	11,407	5 54,947	19,642
1775	47 20,918	11,464	6 14,589	19,638
1776	47 32,382	11,522	6 34,227	19,635
1777	47 43,904	11,579	6 53,862	19,631
1778	47 55,483	11,638	7 13,493	19,627
1779	48 7,121	11,696	7 33,120	19,624
1780	48 18,817	11,756	7 52,744	19,620
1781	48 30,573	11,815	8 12,364	19,616
1782	48 42,388	11,877	8 31,980	19,612
1783	48 54,265	11,937	8 51,592	19,609
1784	49 6,202	11,999	9 11,201	19,605
1785	49 18,201	12,060	9 30,806	19,601
1786	49 30,261	12,124	9 50,407	19,597
1787	49 42,385	12,186	10 10,004	19,593
1788	49 54,571	12,251	10 29,597	19,589
1789	50 6,822	12,314	10 49,186	19,586
1790	50 19,136		11 8,772